

2026 Material Sourcing List (China)

Aramco Material No.	Short Description	中文简短描述 (供参考)	Long Description	Commodity	Commodity Group	Aramco Mat'l Service Group No.	Aramco Mat'l Service Group Desc
6000002433	HEAT EXCHANGER; AIR COOLED; 32-SAMSS-11;	空冷换热器	HEAT EXCHANGER AIR COOLED; ANY TYPE, ANY INLT/OTL, 32-SAMSS-011, NOTICE TO REQUISITIONER: THIS 9COM REQUIRES REQUISITION TEMPLATE FOR CREATING MATERIAL PO TEXT ACCESS TEMPLATE VIA HTTPS://SHAREKARAMCO.COM.SA/ORG/30003143/30012601/30014160/DOCUMENT/PRT/RT_TREE.HTM REPLACE THIS MESSAGE WITH YOUR MATERIAL PO TEXT	Heat Transfer Equip	Static Equipment	209000	Boiler, Heat Exchgr
6000002394	BOILER; WATER TUBE	水管锅炉	BOILER; WATER TUBE TYPE, 32-SAMSS-021	Heat Transfer Equip	Static Equipment	209000	Boiler, Heat Exchgr
6000002529	HEAT EXCHANGER; SHELL & TUBE; ALL MATL O	管壳式换热器, 非碳钢或低合金钢, 或壳体壁厚大于38 mm (1.5 英寸)	HEAT EXCHANGER SHELL & TUBE; ANY TUBE DIA, ANY INLT/OTL, ANY INLT/OTL, ALL MATL OTHER THAN CARBON STEEL & LOW ALLOY STEEL OR SHELL, WALL THK GREATER THAN 38 MM (1.5 IN) TUBE THK, 32-SAMSS-007	Heat Transfer Equip	Static Equipment	209000	Boiler, Heat Exchgr
6000011229	BURNER; HIGH INTENSITY, FOR SULFUR	高强度燃烧器, 用于硫回收装置	BURNER; HIGH INTENSITY TYPE, HIGH INTENSITY, FOR SULFUR RECOVER UNIT REACTION FURNACE	Heat Transfer Equip	Static Equipment	209000	Boiler, Heat Exchgr
6000002487	BUNDLE; TUBE; 32-SAMSS-007;	换热管束	BUNDLE TUBE; ANY TYPE, 32-SAMSS-007	Heat Transfer Equip	Static Equipment	209000	Boiler, Heat Exchgr
6000002397	BRICK; REFRACTORY	耐火砖	BRICK REFRACTORY; BRICK REFRACTORY	Heat Transfer Equip	Static Equipment	210000	Refractories
6000000026	PIPE; SCRAPER TRAP; STEEL; 02-SAMSS-009	收发清管器	PIPE METALLIC; ANY NPS, ANY STEEL, 02-SAMSS-009, SCRAPER TRAP	Pipe	Static Equipment	020000	P/L Scrpr Eqpt
6000014900	MACHINE; HOT TAP; PIPELINE SERVICE	带压开孔设备, 管线服务	MACHINE; HOT TAP TYPE, WITH/WITHOUT POWER UNIT	Pipe	Static Equipment	020000	P/L Scrpr Eqpt
6000000054	PIPE; METALLIC; NICKEL & NICKEL ALLOY	镍基合金管	PIPE METALLIC; ANY SIZE NPS, ANY NICKEL AND NICKEL ALLOY, SEAMLESS OR WELDED, 01-SAMSS-046, COMPLIANCE TO NACE MR0175/ISO 15156 REQUIRED FOR SOUR SERVICE	Pipe	Static Equipment	011000	Pipe Alloy Spec Appl
6000014200	PIPE; Copper-Nickel, EEMUA, ASTM	铜镍合金管	PIPE; COPPER NICKEL (CUNI) PIPE OR T TYPE, COPPER-NICKEL	Pipe	Static Equipment	011000	Pipe Alloy Spec Appl
6000013160	PIPE & FITTINGS; NONMETALLIC, RTR	RTR玻璃钢管	PIPE NON-METALLIC; MAXIMUM 14 IN NPS, REINFORCED THERMOSETTING RESIN, REINFORCED THERMOSETTING RESIN (RTR), FOR WATER (NON-UTILITY) AND HYDROCARBON APPLICATIONS MAX TEMP 200 F, 01-SAMSS-042, API 15HR API 15LR	Pipe	Static Equipment	017000	Pipe, Composite
6000014895	UMBILICAL SYSTEM, SUBSEA, OFFSHORE	海工用脐带管	PIPE NON-METALLIC; ANY NPS, ANY ISO 13628-5, 15-SAMSS-503, 15-SAMSS-504, UMBILICAL SYSTEM IS AN INTEGRATED BUNDLE OF TUBES, HOSES, POWER CABLES AND/OR FIBER OPTICS ENCLOSED WITH AN OUTER RING SPECIALLY DESIGNED FOR THE SUBSEA ENVIRONMENT TO WHICH IT WILL BE DEPLOYED. OFFSHORE TO TRANSFER POWER, CHEMICALS, WATER, OIL, GAS, AIR, COMMUNICATIONS AND MORE TO AND FROM SUBSEA DEVELOPMENTS.	Pipe	Static Equipment	017000	Pipe, Composite
6000000042	PIPE & FITTINGS; NONMETALLIC, RTP PIPE	RTP 非金属管	PIPE NON-METALLIC; MAXIMUM 8 INCHES NPS, REINFORCED THERMOPLASTIC (RTP), INTERNAL / EXTERNAL LINING THERMOPLASTIC (PE, PE-RT, PP PA, PVDF, PREFABRICATED SPOOL ENDS, FOR WATER AND HYDROCARBON APPLICATIONS MAX TEMP 180 F API RP 15S, ONSHORE / OFFSHORE WATER AND HYDROCARBON APPLICATIONS	Pipe	Static Equipment	017000	Pipe, Composite
6000009160	PIPE; METALLIC, CLAD PIPE	金属管道, 复合包覆管	PIPE METALLIC; ANY NPS, ANY CARBON STEEL, CLAD WITH CORROSION RESISTANT ALLOY, 01-SAMSS-048, API 5LD	Pipe	Static Equipment	015000	Pipe, Metal, Other
6000000017	PIPE; METALLIC; 6 IN & LARGER; SAW, LOW TEMP	耐低温单缝埋弧焊管	PIPE METALLIC; ANY NPS, ANY STEEL, SINGLE STRAIGHT SEAM L-SAW, ASTM A671 CLASS 22 ONLY, ASTM A333, 01-SAMSS-043, LOW TEMPERATURE, EITHER TO APPLIED ASTM A671 OR ASTM A333	Pipe	Static Equipment	013000	Pipe, SAW, CS
6000000037	PIPE & FITTINGS; NONMETALLIC, SUBSEA	柔性软管	PIPE METALLIC; ANY NPS, ANY PE, PEX, PA, PVDF, PEEK, FLEXIBLE PIPE, ER, INTERMEDIATE LAYERS AND ER SHEATHING STRUCTURE, API 17J, APPLICATIONS: ONSHORE / OFFSHORE WATER AND HYDROCARBON APPLICATIONS, REINFORCEMENT: STEEL AND FIBER	Pipe	Static Equipment	017000	Pipe, Composite
6000000134	SLEEVE; PIPE; TWO HALVES; BOLTED FLANGED	管道套筒, 两半结构; 带法兰并通过螺栓连接	SLEEVE PIPE BOLTED; ANY NOM PIPE, STEEL, ANY WP, FOR PIPE REPAIR, FOR PIPE REPAIR	Pipe Fittings	Static Equipment	034400	Pipe Accessories
6000000188	FLANGE; COMPACT WN PAIR, M-F CONNECTOR	紧凑型焊颈法兰	FLANGE PIPE; COMPACT FLANGE WN PAIR, WN-BLIND, WN-WN SWIVEL-RING OR AS DESIGNED TYPE, ASME CLASS 900 AND ABOVE SUPPLY, WN WITH SELF-ENERGIZING SEAL TERMINAL, ANY NPS, ANY STEEL PER 02-SAMSS-011, ASME SEC VIII DESIGN, 02-SAMSS-011, COMPLETE ASSEMBLY WITH MALE-FEMALE CONNECTOR, SEAL RING, BOLTS AND NUTS	Pipe Fittings	Static Equipment	034400	Pipe Accessories
6000014710	FLANGE; PIPE; CONNECTOR, MECHANICAL END	重型管箍	FLANGE PIPE; CONNECTOR TYPE, ANY NPS, ANY MECHANICAL END CONNECTORS	Pipe Fittings	Static Equipment	034400	Pipe Accessories
6000000189	FLANGE; PIPE; CLAMP; COMPLETE ASSY; W/ HUBS	全套卡箍法兰	FLANGE PIPE; ANY TYPE, ANY NPS, CS, AS, SS, API 6A, ASME VIII DIV 2, CLAMP, COMPLETE ASSY, W/HUBS SEAL RING, BOLTS AND NUTS, ANY SIZE	Pipe Fittings	Static Equipment	034400	Pipe Accessories
6000000091	ELBOW; PIPE; BW; CS, LT and LAS	碳钢及低合金钢对焊弯头	ELBOW PIPE; BUTT WELDING TERMINAL, CARBON STEEL & LOW ALLOY STEEL, 02-SAMSS-005, ASTM ASME, MSS-, CARBON STEEL (INCLUDING LOW TEMPERATURE CARBON STEEL) & LOW ALLOY STEEL	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000014012	FITTING: PIPE, WELD OVERLAYER; 02-SAMSS-012	碳钢/低合金钢管件, 包括弯头、三通、封头、四通或其他任何管件	FITTING: PIPE; CARBON STEEL / LOW ALLOY STEEL, ANY CORROSION RESISTANT WELD OVERLAY FINISH, 02-SAMSS-012, 01-SAMSS-044 02-SAMSS-005, ELBOW, TEE, CAP, CROSS OR ANY FITTING. [NOTE: CLAD SPOOL FABRICATION RESTRICTION IN SAES-L-101 SHALL APPLY. TO BE SUPPLIED IN CLAD SPOOL, COVERED BY 9COM 6000014018.]	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000078	CAP; PIPE; BW; SS and Ni ALLOY	不锈钢/镍基合金对焊管帽	CAP PIPE; BW TERMINAL, NPS NPS, METALLIC, SEAMLESS, 02-SAMSS-013, ASTM / ASME, NOTE: CS, LTCS & LOW ALLOY STEEL CAPS ARE COVERED BY 9COM 6000000079	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000146	TEE; PIPE; BW; CS, LT and LAS	碳钢及低合金钢对焊三通	TEE PIPE; BW TERMINAL, CARBON STEEL, AND LOW ALLOY STEEL, 02-SAMSS-005, ASTM ASME, MSS-, (INCLUDING LOW TEMPERATURE CARBON STEEL)	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000089	BRANCH: PIPE; O-LET, ANY STEEL	整体补强钢制分歧管	BRANCH PIPE; ELBOW-LET, WELDOLET, THREDELET, SOCKOLET, LATROLET, ETC TYPE, (CARBON STEEL, LT IN ACCORDANCE TO 02-SAMSS-005) ANY STEEL (LOW ALLOY, STAINLESS STEEL, NICKEL ALLOY IN ACCORDANCE TO 02-SAMSS-013), 02-SAMSS-005, 02-SAMSS-013, ANY SIZE, SPECIAL, INTEGRALLY REINFORCED CONNECTION	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000079	CAP; PIPE; BW; CS, LT and LAS	碳钢低合金钢对焊管帽	CAP PIPE; BW TERMINAL, ANY NPS, CARBON STEEL AND LOW ALLOY STEEL, 02-SAMSS-005, ASTM ASME, MSS-SP, (INCLUDING LOW TEMPERATURE CARBON STEEL)	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000076	BOSS; PIPE; WELDING; ANY METAL;	焊接金属管台	BOSS WELDING; ANY OUTLET, ANY, ANY METAL, ANY METAL	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000123	NIPPLE; PIPE; ANY METAL	金属无缝管接头	NIPPLE PIPE; SIZE IN, IN LG, ASTM, BARE FINISH, ASTM, ANSI, SEAMLESS	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000127	REDUCER; PIPE; BW; CS, LT and LAS	碳钢低合金钢对焊大小头	REDUCER PIPE; BW TERMINAL, CARBON STEEL AND LOW ALLOY STEEL, 02-SAMSS-005, ASTM ASME, MSS-SP, (INCLUDING LOW TEMPERATURE CARBON STEEL)	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000082	CAP; PIPE; SOCKET WELD OR THREADED; CS	碳钢承插焊或螺纹管帽	CAP PIPE; SW, NPT TERMINAL, MM, IN NPS, CARBON STEEL, MM (IN), CLASS SUPPLY, ASTM, GR STEEL GREDE, FORGED, SEAMLESS, BARE FINISH, ANSI B12.20.1, ANSI B16.11, ANSI B16.11	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS

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6000000086	COUPLING; PIPE; SW OR THREADED; CS	碳钢承插焊或螺纹管接头	COUPLING PIPE; ANY TERMINAL, ANY SIZE NPS, CARBON STEEL, ANY SUPPLY, ANSI B1.20.1, ANSI B16.11, ANSI B1.20.1, ANSI B16.11.	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000014202	FITTING; PIPE; CUNI; ALL TYPES; EEMUA 234	铜镍合金管件	FITTING; PIPE; EEMUA 234, CUNI PIPE FITTINGS, ALL TYPES, INCLUDING ELBOWS, TEES, REDUCERS, CAPS, COUPLING, BRANCH CONNECTION, BW OR SW OR THREADED AS PER EEMUA 234. NON-HYDRCARBON UTILITY.	Pipe Fittings	Static Equipment	034000	Pipe Fitting, CS
6000000115	FLANGE; PIPE; WN; CS AND LOW ALLOY ST.	碳钢低合金钢带颈对焊法兰	FLANGE PIPE; WN TYPE, ANSI SUPPLY, FLANGED TERMINAL, IN NPS, MM (IN), MM (IN) FLG BORE, CARBON STEEL AND LOW ALLOY ST, 02-SAMSS-011	Pipe Fittings	Static Equipment	034300	Pipe Flanges, Metal
6000000109	FLANGE; PIPE; SOCKET WELD; THRD ALLOY ST.	合金承插焊、螺纹连接法兰	FLANGE PIPE; SW AND THREADED TYPE, ANSI CLASS SUPPLY, FLANGED RJ, FF, RF TERMINAL, IN NPS NPS, MM (IN), SCH, MM (IN) FLG BORE, HIGH ALLOY AND STAINLESS STEEL AND NICKEL ALLOY, ASTM, GR ASTM STEEL GRADE, FORGED, BARE FINISH, ANSI B16.11, ANSI B16.5, ANSI B16.5	Pipe Fittings	Static Equipment	034300	Pipe Flanges, Metal
6000000110	FLANGE; PIPE; SW; THRD; CS, LOW ALLOY	碳钢低合金钢承插焊、螺纹连接法兰	FLANGE PIPE; SW AND THREADED TYPE, ANY NPS, CARBON STEEL AND LOW ALLOY STEEL, ASME B 16.5	Pipe Fittings	Static Equipment	034300	Pipe Flanges, Metal
6000000181	FLANGE; PIPE; COPPER NICKEL, EEMUA 234	铜镍合金法兰	FLANGE PIPE; ALL DESIGNS TYPE, ANY NPS, ANY, EEMUA 234, COPPER-ALLOY FLANGES AND CS BACKING (LAP JOINT) FLANGES PER EEMUA 234. OR OTHER COPPER ALLOYS AS PER ASME 16.5, PIPE FLANGES AND FLANGED FITTINGS, UTILITY, NON-HYDRCARBON.	Pipe Fittings	Static Equipment	034300	Pipe Flanges, Metal
6000012420	VALVE; BALL; NPS 26&UP ASME CLASS 150&UP	钢制固定分体式球阀 (大口径)	VALVE BALL; SIZE NPS 26 AND UP, ASME CLASS 150 AND UP SUPPLY, FLANGED OR BUTTWELDED END CONN, STEEL BODY, STYLE SPLIT BODY, TRUNNION SUPPORTED SUPPORT, SOFT SEATED SEAT, 04-SAMSS-051, 04-SAMSS-035 04-SAMSS-048, WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	024000	Valve Ball
6000000248	VALVE; BALL; SPLIT BODY; TRUNNION; API 6A	钢制固定式分体球阀 API-6A	VALVE, BALL; SIZE ANY, 2000-5000 PSI SUPPLY SUPPLY, FLANGED OR BUTTWELD END CONN, STEEL BODY, STYLE SPLIT BODY, TRUNNION SUPPORTED SUPPORT, SOFT SEATED SEAT, 04-SAMSS-055, API 6A, WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	024000	Valve Ball
6000015607	VALVE; BALL; MS, 2-1/16 IN & UP, 2K-5K PSI,	上装固定式分体球阀 API 6A	VALVE, BALL; SIZE 2-1/16 IN AND UP, 2000-5000 PSI SUPPLY, FLANGED, HUBBED OR BUTTWELD END CONN, ANY BODY, STYLE SPLIT BODY OR TOP ENTRY, TRUNNION SUPPORTED SUPPORT, METAL SEATED SEAT, 04-SAMSS-055, API 6A	Valves	Static Equipment	024000	Valve Ball
6000013742	VALVE; BALL; DOUBLE ISOLATION TWIN	固定式分体双球球阀	VALVE, BALL; SIZE UP TO 24 IN, ANSI CL 150 AND UP SUPPLY, FLANGED OR BUTTWELD END CONN, ANY BODY, STYLE SPLIT BODY, TRUNNION SUPPORTED SUPPORT, 04-SAMSS-048, 04-SAMSS-035 04-SAMSS-051, DOUBLE ISOLATION TWIN BALL WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	024000	Valve Ball
6000000272	VALVE; BUTTERFLY; HIGH PERFORMANCE	钢制三偏心蝶阀	VALVE BUTTERFLY; HIGH PERFORMANCE, TRIPLE ECCENTRIC DESIGN TYPE, SIZE ANY, 04-SAMSS-047, 04-SAMSS-035 API 609 CATEGORY B, 04-SAMSS 04-SAMSS-048 04-SAMSS-048, API 609 CATEGO, METAL SEATED, ZERO LEAKAGE WITH OR WITHOUT ACTUATOR BETTERFLY VALVE METAL SEATED, ZERO LEAKAGE, ANY SIZE AND ANY RATING FLANGED OR BUTTWELD ENDS API 609 CATEGORY B	Valves	Static Equipment	030000	Valve Butterfly
6000000269	VALVE; CHECK; STEEL; NOZZLE;	钢制弹簧控制喷嘴止回阀	VALVE CHECK; SIZE ANY, STEEL BODY, NOZZLE SPRING CONTROLLED, FLANGED OR BUTTWELD END CONN, 04-SAMSS-035, 04-SAMSS-048, NON-SLAM	Valves	Static Equipment	028000	Valve Check
6000000270	VALVE; CHECK; 1/2 THRU 2 INCH; STEEL; TH	钢制止回阀 (小口径)	VALVE CHECK; SIZE 1/2 THRU 2 INCH, STEEL BODY, ANY, THREADED, SOCKETWELD, FLANGED OR BUTT WELD ENDS END CONN, 04-SAMSS-035, 04-SAMSS-048	Valves	Static Equipment	028000	Valve Check
6000000268	VALVE; CHECK; 2 IN&UP; ANSI 150; DUAL PLATE	钢制双板止回阀	VALVE CHECK; SIZE 2 INCH AND UP, ANSI 150 AND UP SUPPLY, STEEL BODY, DUAL PLATE, WAFER END CONN, 04-SAMSS-035, 04-SAMSS-048 API 594	Valves	Static Equipment	028000	Valve Check
6000000323	VALVE; CHECK; API 6A 2000-5000; STEEL; S	高压旋启式止回阀 API 6A	VALVE CHECK; SIZE ANY, 2000-5000 SUPPLY SUPPLY, STEEL BODY, SWING, FLANGED, BUTTWELD OR HUBBED END CONN, 04-SAMSS-055, API 6A	Valves	Static Equipment	028000	Valve Check
6000000275	VALVE; CHECK; SWING; UP TO 12 IN; CI OR DI	铸铁或球墨铸铁旋启式止回阀	VALVE CHECK; SIZE UP TO 12 INCH, CAST OR DUCTILE IRON BODY, SWING, FLANGED, LUG OR WAFER END CONN, 04-SAMSS-035, 04-SAMSS-048 04-SAMSS-005	Valves	Static Equipment	028000	Valve Check
6000000315	VALVE; CHOKE; CAGE SINGLE STAGE, 10KSI	单体自定心阀瓣止回阀	VALVE CHOKE; PLUG-AND-CAGE SINGLE STAGE TRIM TYPE, UPTO 6 INCH MAXIMUM ORIFICE BODY, PR 10,000 PSI, FLANGED HUBBED OR BUTTWELD END CONN, STEEL BODY, 04-SAMSS-055, API 6A, WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	031000	Valve Choke
6000000302	VALVE; GLOBE; CAST OR DUCTILE IRON;	铸铁或球墨铸铁截至阀	VALVE GLOBE; ANY NPS, ANY RATING SUPPLY, ANY ENDS END CONN, CAST OR DUCTILE IRON BODY, 04-SAMSS-035, 04-SAMSS-048 04-SAMSS-002, WITH OR WITHOUT ACTUATOR, ANY SIZE	Valves	Static Equipment	023000	Valve Globe
6000014491	VALVE; NPS 2 TO 20, COMPOSITE MATERIAL	塑料阀门	VALVE; BUTTERFLY, BALL OR CHECK TYPE, SIZE NPS 2 THRU 20, ASME CLASS 150 & 300 SUPPLY, FLANGED END CONN, COMPOSITE (NON-METALLIC) BODY	Valves	Static Equipment	033000	Valve Other
6000000308	VALVE; PLUG; LUBRICATED	钢制注脂旋塞阀	VALVE PLUG; LUBRICATED TYPE, SIZE ANY SIZE, ANY PRESSURE RATING SUPPLY, ANY END CONN, STEEL BODY, 04-SAMSS-035, 04-SAMSS-048 04-SAMSS-053, 04-SAMSS-055 ASME B16.34, API 599 API 6A, WITH OR WITHOUT ACTUATOR, ASME CLASS 150 AND UP, API 2000 THRU 5000.	Valves	Static Equipment	025000	Valve Plug
6000000294	VALVE; GATE; WEDGE; 26 INCH AND UP; FLAN	钢制柔性模型闸阀 (大口径)	VALVE GATE WEDGE; FLEXIBLE TYPE, SIZE NPS 26 AND UP, ANY SUPPLY, FLANGED OR BUTTWELD END CONN, STEEL BODY, 04-SAMSS-001, 04-SAMSS-035 04, WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	022000	Valve, Gate
6000000295	VALVE; GATE; WEDGE; UP TO 4 INCH; THREAD	小口径模型闸阀	VALVE GATE WEDGE; SIZE UP TO NPS 4, ANY RATING SUPPLY, THREADED, SOCKETWELD, FLANGED OR BUTTWELD END CONN, STEEL BODY, API 602, 04-SAMSS-035 04-SAMSS-048, WITH OR WITHOUT ACTUATOR, SPECIAL ENDS	Valves	Static Equipment	022000	Valve, Gate
6000000314	VALVE; GATE; API 6A, 10000 PSI	API 6A闸阀, 压力等级10000PSI	VALVE GATE; SIZE 1-13/16 INCH AND UP, 10000 PSI SUPPLY SUPPLY, HUBBED, FLANGED AND BUTTWELD END CONN, ANY BODY, 04-SAMSS-055, API 6A, WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	022000	Valve, Gate

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6000000292	VALVE; GATE; UP TO 12 INCH; NON-FERROUS;	有色金属闸阀	VALVE GATE; SIZE UP TO NPS 12, ANY RATING, ALLENS SUPPLY, NON-FERROUS, (BRONZE/ALUMINUM-BRONZE BODY, 04-SAMSS-035, 04-SAMSS-048 04-SAMSS-001, WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	022000	Valve, Gate
6000000289	VALVE; GATE; THRU CONDUIT; METAL SEATED;	钢制弹簧控制喷嘴止回阀	VALVE GATE THRU CONDUIT; SIZE NPS 2 AND UP, ASME CL 150 AND UP SUPPLY, FLANGED OR BUTTWELD END CONN, STEEL BODY, 04-SAMSS-050, METAL SEATED, WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	022000	Valve, Gate
6000000296	VALVE; GATE; WEDGE OR DBL DISC; UP TO 12	铸造或球墨铸铁楔式闸阀 (中小口径)	VALVE GATE; SIZE UP TO NPS 12, ANY RATING, ALLENS SUPPLY, CAST OR DUCTILE IRON BODY, 04-SAMSS-035, 04-SAMSS-048 AWWA, WITH OR WITHOUT ACTUATOR	Valves	Static Equipment	022000	Valve, Gate
6000009414	VALVE, SANDWICH, 2 IN. AND UP, ASME CLAS	夹板阀 (管道在线修补)	VALVE; GATE, SANDWICH TYPE, SIZE NPS 2 AND UP, STEEL, ASME CLASS 150 AND UP SUPPLY, FLANGE END CONN, 04-SAMSS-035, 04-SAMSS-048	Valves	Static Equipment	022000	Valve, Gate
6000014740	VESSEL INTERNAL, 3-PHASE ELECTROSTATIC	分离器内件	VESSEL; INTERNAL TYPE, ANY, SEPARATOR INTERNALS AND ELECTROSTATIC COASER	Vessels	Static Equipment	223000	Modular Process Unit
6000017141	INLINE MIXING UNIT;	在线静态混合器	UNIT; VALVE/ SPOOL TYPE, SAES-A-010, 01-SAMSS-010 ANSI B31.3, INLINE HIGH EFFICIENCY MIXER PACKAGE, ADJUSTABLE OR STATIC, TYPICALLY HAS SPOOL OR WAVLE, FITTINGS, INJECTION CONE, INJECTION PIPE SPOOL, INJECTION QUILL, HOUSING, INTERNAL MIXING PARTS. FOR SOUR AND NON SOUR SERVICE NPS PRODUCT RANGE PER PR, ANSI FLANGE 150 TO 900#. FOR MIXING OIL WITH WATER OR CHEMICALS. FABRICATION WITH APPROVED MANUFACTURER	Vessels	Static Equipment	223000	Modular Process Unit
6000011206	HYDROCARBON FILTRATION PACKAGE	三相分离器	SKID; SKID/PACKAGE TYPE, SAES-A-017 (DESIGN), SAMSS-038 (SKID FABRICATION ASSEMBLY AND DESIGN OF FILTRATION SYSTEM (HYDROCARBON SERVICE) OIL / GAS/WATER STREAM	Vessels	Static Equipment	223000	Modular Process Unit
6000018461	BACKWASHING/SELF CLEANING FILTER PACKAGE	反冲洗 (自清洁) 过滤系统	PACKAGE; STORAGE AND VAPORIZATION FILTER TYPE, 32-SAMSS-038 SAES-A-017, FOR PHYSICAL SEPARATION OF SUSPENDED SOLID PARTICLES FROM WATER, GAS, NGL/ CONDENSATE, GLYCOLS BY BACKWASHING WITH NO NEED FOR MANUAL INTERVENTION. TYPICALLY SKIDDED UNIT-INCLUSIVE OF INTERCONNECTING PIPING, VALVES, INSTRUMENTATION ASSOCIATED PIPING AND SAES-A-017 AND ASSEMBLY PER 32-SAMSS-038. PHYSICAL ARATION	Vessels	Static Equipment	223000	Modular Process Unit
600002415	EJECTOR; AIR, STEAM OR WATER.;	蒸汽喷射器	EJECTOR; ANY PROCESS, ANY, AIR, STEAM OR WATER., AIR, STEAM OR WATER.	Vessels	Static Equipment	220100	Spares, Proc Plant
6000010731	TANK; DOME ROOF, ALUMINUM SAES-D-108,	铝制拱顶油罐	TANK; DOME ROOF TYPE, ANY, ALUMINUM, SAES-D-108, APPENDIX 1 32-SAMSS-005, APPENDIX G, API 650	Vessels	Static Equipment	212000	Tanks & Accessories
6000015500	REEL: OUTDOOR FIRE LIVE HOSE ASSY	消防水带	REEL; OUTDOOR FIRE LIVE HOSE ASSMBLY TYPE, SIZE 38.10 M (125 FT) HOSE LG, SAES-B-017, CONSISTING OF A CABINET, BASE RETRACTABLE HOOD, NON-COLLAPSIBLE FIRE HOSE WITH FIXED REEL AND GRIP NOZZLE, CABINET & HOOD TO BE FABRICATED FROM SHEET STEEL W/ AIR VENTILATION OPENINGS, CABINET STAND, HOOD & CABINET DIMENSIONS & DESIGN SHALL BE APPROVED BY FRPD/ RSA, HOSE OF 38.10 M (125 FT) LG NONE-COLLAPSIBLE W/ 250 PSI WP ON HORIZONTAL REEL FOR STATIONARY MOUNTING, SUPPLIED W/ BRAS NOZZLE MARINE ELECTROLESS COATED TYPE W/ PISTOL GRIP CAPABLE OF DISCHARGING 95 GPM AT 100 PSI W/ 90 DEGREE FOG, ALL EXTERNAL & INTERNAL SURFACES TO BE PAINTED RED, , ZINC-PHOSPHATED, SUPER POWDER COATED W/ THICKNESS OF AT LEAST 0.1 MM.	Safety & Security Equip	Safety & Health	110000	Fire Fighting Eqpt
6000001310	HYDRANT; FIRE; CASTED; 6 IN INLET	消防栓 UL/FM认证	HYDRANT FIRE; 6 IN INLET, PR 200 PSI WP, UL OR/AND FM, COMPLYING WITH 21-SAMSS-15. WITH OR WITHOUT FIRE MONITOR FLANGE. WITH OR WITHOUT BREAKABLE FLANGE CHECK VALVE ASSEMBLY. FOR BREAKABLE FLANGE VALVE SEPARATELY. PURCHASE ORDER MUST SPECIFY THE OPTIONS AS PER 21-SAMSS-15.	Safety & Security Equip	Safety & Health	110000	Fire Fighting Eqpt
6000001314	MONITOR; FIRE FIGHTING; HYDRANT-MOUNTED	手动式消防水炮	MONITOR; FIREFIGHTING, HYDRANT-MOUNTED MANUALLY OPERATED TYPE, ANY RANGE, MEETING 21-SAMSS-16, INDUSTRIAL MONITOR SYSTEM, WILL BE INSTALLED ON #9COM 6000001310	Safety & Security Equip	Safety & Health	110000	Fire Fighting Eqpt
6000014422	MONITOR; FIREFIGHTING, REMOTE CONTROL	远程控制型消防炮	MONITOR; FIREFIGHTING, REMOTE CONTROL TYPE, ANY RANGE, ELECT OR HYDRAULIC OPERATED SUPPLY, MEETING 21-SAMSS-16, FULL SYSTEM FULL CONTROL INDUSTRIAL APPLICATIONS MEETING PROJECT SPECS	Safety & Security Equip	Safety & Health	110000	Fire Fighting Eqpt
6000001390	COATING: FIREPROOFING	水泥基防火涂料	COATING; FIREPROOFING TYPE, FOR ONSHORE, PLANT STRUCTURES, CEMENTITIOUS	Safety & Security Equip	Safety & Health	112000	Safety Eqpt
60000017430	COATING, FIREPROOFING, ONSHORE, PLANT ST	膨胀型防火涂料	COATING; FIREPROOFING TYPE, FOR ONSHORE, PLANT STRUCTURES, INTUMESCENT	Safety & Security Equip	Safety & Health	112000	Safety Eqpt
6000002461	SKID; NITROGEN GENERATION; MEMBRANE TYPE	膜法制氮机	SKID; MEMBRANE TYPE, 32-SAMSS-038, NITROGEN GENERATION	Not assigned	Not assigned	230000	Comp air & Nitrogen
6000002323	CRANE; JIB; HOISTING; 1/2 TON TO 10 TON;	悬臂起重机	CRANE JIB; PILLAR MOUNTED OR WALL MOUNTED TYPE, 1/2 TON TO 10 TON LIFT, ANY SPAN, ANY MAX HT, ANY ROTATION, MATERIAL HANDLING OPERATIO, SAMSS-007, S-H S-M-001, E B 30.11 & ASME B A 74	Not assigned	Not assigned	159200	Crane, Ohd, Drk, Jb, Twr
6000002245	COMPRESSOR; CENTRIFUGAL; BEAM-TYPE, API-617	梁式离心压缩机 API-617	COMPRESSOR; CENTRIFUGAL BEAM-TYPE, API-617, 31-SAMSS-001	Compressors	Machinery Equipment	180000	Comprsr, Centrifug
6000002247	COMPRESSOR; RECIPROCATING; 31-SAMSS-003	往复式压缩机	COMPRESSOR; RECIPROCATING TYPE, 31-SAMSS-003	Compressors	Machinery Equipment	181000	Comprsr, Recip
6000002244	COMPRESSOR; AIR; CENTRIFUGAL; INTEGRALLY	集装齿式离心空气压缩机	COMPRESSOR AIR; CENTRIFUGAL, INTEGRALLY GEARED TYPE, 31-SAMSS-006	Compressors	Machinery Equipment	182000	Comprsr, Utility Air
6000002338	COMPRESSOR; SMALL CAPACITY, PLANT AND IN	小容量压缩机	COMPRESSOR; SMALL CAPACITY TYPE, 31-SAMSS-002, PLANT AND INSTRUMENT AIR	Compressors	Machinery Equipment	182000	Comprsr, Utility Air
6000014210	COMPRESSOR: PROCESS; CENTRIFUGAL INTEGRALY	集装齿式离心工艺压缩机	COMPRESSOR PROCESS; CENTRIFUGAL, INTEGRALLY GEARED TYPE, FOR ANY, 31-SAMSS-001	Compressors	Machinery Equipment	182000	Comprsr, Utility Air
6000000722	TRANSMISSION: VARIABLE SPEED	液力耦合器, 永磁体耦合器	COUPLING SHAFT; STYLE ANY, ANY BORE, 13-SAMSS-001, API 613, HYDRAULIC OR PERMANENT MAGNET, VARIABLE OR ADJUSTABLE SPEED, WITH OR WITHOUT GEAR, WHEN GEARED ROTORS USED SHALL COMPLY WITH 13-SAMSS-001 AND API-613.	Power Transmission	Machinery Equipment	197000	Power Trans & Cplgs
6000015670	PUMP: CENTRIFUGAL; API 685 SEAMLESS	离心屏蔽泵 API-685	PUMP CENTRIFUGAL; API 685 SEAMLESS TYPE, SIZE ANY, ANY, SINGLE STAGE(S), 31-SAMSS-685	Pumps	Machinery Equipment	187000	Pump, Centrifugal II
6000014170	PUMP: HORZ; MULTISTAGE; 10 MW AND ABOVE	卧式多级离心泵, 功率10MW及以上	PUMP CENTRIFUGAL; HORIZONTAL TYPE, SIZE ANY, ANY, MULTISTAGE STAGE(S), DOUBLE CASE, RADIALLY SPLIT CASING, HORIZONTAL MTG, 31-SAMSS-004, 10,000 KW AND ABOVE	Pumps	Machinery Equipment	187000	Pump, Centrifugal II

2026 Material Sourcing List (China)

Aramco Material No.	Short Description	中文简短描述 (供参考)	Long Description	Commodity	Commodity Group	Aramco Mat'l Service Group No.	Aramco Mat'l Service Group Desc
6000002361	PUMP: RECIPROCATING, 31-SAMSS-009	流量控制往复泵	PUMP RECIPROCATING; POSITIVE DISPLACEMENT, CONTROLLED VOLUME TYPE, ANY, 31-SAMSS-009	Pumps	Machinery Equipment	185000	Pump, Positive Displ
6000002368	PUMP: RECIPROCATING, 31-SAMSS-674	柱塞泵	PUMP RECIPROCATING; PISTON, PLUNGER TYPE, ANY, API 674	Pumps	Machinery Equipment	185000	Pump, Positive Displ
6000002303	PUMP: ROTARY, SCREW, API 676	螺杆转子泵	PUMP ROTARY; SCREW TYPE, ANY, API 676	Pumps	Machinery Equipment	185000	Pump, Positive Displ
6000002365	PUMP; VACUUM; API 681, HIGH POWER	真空泵 API-681	PUMP; VACUUM TYPE, ANY, API 681, HIGH POWER, LIQUID RING VACUUM PUMPS OR COMPRESSORS	Pumps	Machinery Equipment	188000	Pump, Vacuum
6000002490	TURBINE; COMB. GAS; AERO; UP TO 30,000 HP	航发改型燃气轮机	TURBINE COMBUSTION GAS; AERO-DERIVATIVE & LIGHT INDUSTRIAL TYPE, ANY, UP TO 30,000 HP, 32-SAMSS-100, S-K-502	Turbines	Machinery Equipment	196000	Turbine, Gas
6000002496	TURBINE; STEAM; GENERAL PURPOSE	通用蒸汽轮机	TURBINE STEAM; ANY, ANY STAGE(S), 32-SAMSS-009	Turbines	Machinery Equipment	195000	Turbine, Steam
6000002782	MONITOR; GAS; COMBUSTIBLE;	可燃气体探测器	MONITOR GAS; COMBUSTIBLE, ANY RANGE, 34-SAMSS-514	Instrumentation	Instrumentation & IT	082000	Analyzer, Instrument
6000002914	ANALYZER; GAS CHROMATOGRAPH; Sheltered	气相色谱仪	ANALYZER; GAS CHROMATOGRAPH TYPE, ANY RANGE, 34-SAMSS-510, PROCESS GAS OR LIQUID	Instrumentation	Instrumentation & IT	082000	Analyzer, Instrument
6000002655	ANALYZER; BOTTOM SEDIMENT AND WATER;	底部沉积物和水分析仪	ANALYZER; BOTTOM SEDIMENT AND WATER TYPE, ANY RANGE, TO BE USED FOR LIQUID SERVICE APPLICATION ONLY NOT IN MULTI-PHASE SERVICE	Instrumentation	Instrumentation & IT	082000	Analyzer, Instrument
6000002666	ANALYZER; OXYGEN/EMISSION MONITER	分析仪: 氧气/排放监测仪	ANALYZER; OXYGEN/EMISSION MONITORS TYPE, ANY RANGE, 34-SAMSS-510	Instrumentation	Instrumentation & IT	082000	Analyzer, Instrument
6000014021	ANALYZER; PHYSICAL PROPERTY	物性分析仪	ANALYZER; PHYSICAL PROPERTY TYPE, ANY RANGE, (EXAMPLE: BOILING POINT, FLASH POINT, POUR POINT, CFPP, RVP, COLOR, CLOUD POINT, FREEZE POINT, OCTANE, AND VISCOSITY)	Instrumentation	Instrumentation & IT	082000	Analyzer, Instrument
6000002663	ANALYZER; FURNACE/FLUE GAS;	炉膛及烟道气体分析仪	ANALYZER; FURNACE/FLUE GAS TYPE, ANY RANGE	Instrumentation	Instrumentation & IT	082000	Analyzer, Instrument
6000013921	ANALYZER, Proc Photometer/Spectrometer	光谱仪	ANALYZER; ANY RANGE, 34-SAMSS-510, PROCESS PHOTOMETERS AND SPECTROMETERS INCLUDING TUNABLE DIODE (EXTRACTIVE)	Instrumentation	Instrumentation & IT	082000	Analyzer, Instrument
6000009911	CUSTODY METERING SYSTEM, LIQUID	液体交接用监护计量系统	SYSTEM: METERING; CUSTODY TRANSFER LIQUID TYPE, SAES-Y-103, 34-SAMSS-525 34-S, AB USING ULTRASONIC METER#AC USING CORIOLIS METER#BB METERING CONTROL SYSTEM#CC AUTOMATIC SAMPLING SYSTEM	Instrumentation	Instrumentation & IT	064000	CTM Systems
6000009908	Custody Tank Gauge, Radar	储罐雷达液位计	GAUGE TANK LEVEL; ANY TYPE, ANY RANGE, 34-SAMSS-321, CUSTODY TANK RADAR GAUGE, CUSTODY TRANSFER TANK LEVEL GAUGING	Instrumentation	Instrumentation & IT	064000	CTM Systems
6000009906	CUSTODY PRESET CONTL, TRUCK LOAD&UNLOAD	卡车装卸批量控制器	COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE, 34-SAMSS-847, FOR TRUCK LOADING AND UNLOADING SYSTEMS	Instrumentation	Instrumentation & IT	064000	CTM Systems
6000009910	CUSTODY WEIGH SCALE	交易称重设备	SCALE WEIGH; CUSTODY TRANSFER TYPE, 34-SAMSS-180	Instrumentation	Instrumentation & IT	064000	CTM Systems
6000009914	CUSTODY METERING SYSTEM, GAS PIPELINE	天然气管道监护计量系统	SYSTEM: METERING; FOR GAS CUSTODY TRANSFER TYPE, SAES-Y-101, SABP-Y-856, AA USING ULTRASONIC METER#AB USING CORIOLIS METER#USING ORIFICE METER.#BB METERING CONTROL SYSTEM	Instrumentation	Instrumentation & IT	064000	CTM Systems
6000014891	NEGATIVE PRESSURE WAVE (ACOUSTIC) PLDS	负压波 (声学) 管道泄漏监测系统	DETECTOR LEAK; NEGATIVE PRESSURE WAVE (ACOUSTIC) TYPE, FOR PIPELINE, SAES-Z-003, THE ACOUSTIC PRESSURE WAVE METHOD ANALYSES THE RAREFACTION WAVES PRODUCED WHEN A LEAK OCCURS, FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.	Instrumentation	Instrumentation & IT	213000	DCS, ESD & PCS
6000002738	FLOWMETER; ULTRASONIC;	超声波流量计	FLOWMETER; ULTRASONIC TYPE, 34-SAMSS-010, SPOOL OR IN-LINE TYPE	Instrumentation	Instrumentation & IT	084000	Flow Instrumentation
6000002732	MONITOR; FLAME MONITORING SYSTEM	火焰监测系统	MONITOR; IGNITERS AND BURNERS USED IN MONITORING SYSTEM D IN FIRED EQUIPMENT. TYPE, ANY RANGE, 34-SAMSS-617	Instrumentation	Instrumentation & IT	088000	Monitoring Eqpt
6000010781	FOUNDATION FIELDBUS (FF) BLOCKS	现场总线模块	BLOCK; FOUNDATION FIELDBUS(FF) WIRING TYPE, INCLUDING POWER SUPPLIES, FOR USE WITH FOUNDATION FIELD-BUS INSTRUMENTS ONLY	Instrumentation	Instrumentation & IT	094000	MultiVar Instrument
6000000208	FITTING; TUBING; 316 SS OR BETTER	316不锈钢或更高级别不锈钢管件	FITTING; COMPRESSION TYPE, 316 STAINLESS STEEL, 316 STAINLESS STEEL OR BETTER	Instrumentation	Instrumentation & IT	032000	Valve Instrument
6000000951	BATTERY; LEAD ACID; STATIONARY; FLOODED	铅酸电池; 固定式; 液体	BATTERY LEAD ACID STATIONARY; FLOODED ELECTROLYTE TYPE, 2-6 VDC, 17-SAMSS-511	Electrical	Electrical	053000	Batteries
6000001014	CP; POWER SUPPLY; RECTIFIER; IMPRESSED CURR	阴保供电整流器	RECTIFIER IMPRESSED CURRENT; HODIC PROTECTION SE CONTROL TYPE, ANY OUTPUT, 17-SAMSS-005	Electrical	Electrical	054000	C.P. - Above Grade
6000001042	ANODE; GALVANIC; ZINC RIBBON, CP	牺牲阳极, 锌带	ANODE GALVANIC; ZINC RIBBON, 17-SAMSS-006, CATHODIC PROTECTION	Electrical	Electrical	054200	C.P. - Below Grade
6000001040	ANODE GALVANIC; MAGNESIUM, WITHOUT LEAD, CP	镁合金牺牲阳极, 无引线	ANODE GALVANIC; MAGNESIUM, 17-SAMSS-006, CATHODIC PROTECTION WITHOUT LEADS	Electrical	Electrical	054200	C.P. - Below Grade
6000012790	ANODE; GALVANIC, MAGNESIUM, CP	牺牲阳极, 镁合金	ANODE GALVANIC; MAGNESIUM, 17-SAMSS-006, CATHODIC PROTECTION LARGE SIZE CYLINDRICAL, FOR OFFSHORE APPLICATION	Electrical	Electrical	054200	C.P. - Below Grade
6000012080	BOX: JUNCTION, FOR U/G ANODE BED,CP	接线盒, 阴极保护	BOX ELECTRICAL; CATHODIC PROTECTION UNDERGROUND ANODE BED JUNCTION BOX TYPE, SIZE 2500CM3 (MINIMUM), CYLINDRICAL OR BOX SHAPE, 12X16MM2 AND 2X70MM2 CONNECT, 12+2 TERMINAL SCREW LUG COONCTN, FOR WEATHERPROOF (DIRECT BURIAL), NON-CLASSIFIED, NON-METALLIC SUITABLE FOR DIRECT BURIAL AND IMMERSION SERVICE IN AMBIENT TEMPERATURE SEAWATER, OPTIONAL FINISH, OPTIONAL THK, 17-SAMSS-008 JUNCTION BOX FOR CATHODIC PROTECTION, MEMBRANE GLANDS & FILLER/ SEALING COMPOUND SUITABLE FOR DIRECT BURIAL AND IMMERSION SERVICE IN AMBIENT TEMPERATURE SEAWATE	Electrical	Electrical	054200	C.P. - Below Grade
6000000774	TRAY; CABLE, FIBERGLASS	玻璃钢电缆桥架	TRAY; CABLE TYPE, FIBERGLASS, NEMA FG-1, S-P-104 SEC. 9	Electrical	Electrical	049000	Cable Tray & acc
6000018540	DEVICE: HIGH RESISTANCE GROUNDING	设备: 高电阻接地	DEVICE; GROUNDING TYPE, 16-SAMSS-516, FOR RESTRICTING THE SYSTEM GROUND FAULT CURRENT AT LV SYSTEMS TO APPROX. 5A AS WELL AS DETECT THE GROUND FAULT GENERAL LOCATION, MONITOR THE CONTINUITY OF THE NEUTRAL CONNECTION, MONITOR FOR NEUTRAL RESISTOR SHORT CIRCUIT, AND ALLOW SPECIFIC LOCATION OF THE FAULT BY PULSATION OF THE GROUND FAULT CURRENT.	Electrical	Electrical	063000	Control Devices
6000000903	SWITCH; DISCONNECT; HIGH VOLTAGE;	高压隔离开关	SWITCH DISCONNECT; HIGH VOLTAGE, ANY ACTION, ELECTRICAL TYPE, 30-TMSS-01	Electrical	Electrical	045500	Disconnects, HV
6000000996	MOTOR: INDUCTION, 500 HP AND ABOVE, HOR	感应式电机, 500 HP及以上, 卧式	MOTOR INDUCTION; 500 HP AND ABOVE POWER, 4000 V AND ABOVE, 3 PHASE PHASE, TEFC/TEAAC/CACA ENCLOSURE, HORIZONTAL MTG, 17-SAMSS-502, FORM-WOUND	Electrical	Electrical	051000	Electrical Motors
6000000965	SYNCHRONOUS GENERATORS	同步发电机	GENERATOR SYNCHRONOUS; ANY POWER, ANY, 3 PHASE, 60 HZ, INSUL CL F, PF 0.8, 17-SAMSS-510	Electrical	Electrical	052000	Generators
6000012717	SWITCHGEAR; SF6 GAS INSULATED, 230 KV,	开关设备; SF6气体绝缘, 230 kV	SWITCHGEAR; GAS TYPE, 230 KV INDOOR, ANY BIL, 32-TMSS-02, GAS INSULATED SWITCHGEAR	Electrical	Electrical	040000	Switchgear
6000012716	SWITCHGEAR; SF6 GAS INSULATED, 115KV,132KV	开关设备; SF6气体绝缘, 115 kV, 132 kV	SWITCHGEAR; SF6 GAS TYPE, 115 KV, 132 KV INDOOR, ANY BIL, 32-TMSS-02, GAS INSULATED SWITCHGEAR	Electrical	Electrical	040000	Switchgear
6000017041	SWITCHGEAR; SF6, INDOOR 13.8 & 34.5 KV	开关设备; SF6, 室内 13.8 和 34.5 kV	SWITCHGEAR; SF6 GAS INSULATED TYPE, 13.8 AND 34.5 KV, ANY BIL, SDMS-09, S-116, SF6 GAS INSULATED METAL CLAD 13.8 AND 34.5 KV SWITCHGEARS, MAXIMUM RATING IS 2500A	Electrical	Electrical	040000	Switchgear
6000000882	TRANSFER SWITCH; AUTOMATIC, INDOOR, LV	自动转换开关, 室内, 低压	SWITCH TRANSFER; 600V MAX, AUTOMATIC AND NON-AUTOMATIC ACTION, COMPLETELY ENCLOSED AND OPEN TRANSFER SWITCHES AND INTENDED FOR USE IN OTHER EQUIPMENT SUCH AS CONTROLGEAR AND SWITCHBOARD POSITION, AUTOMATIC TYPE, FOR INDOOR, 16-SAMSS-521, LOW VOLTAGE,	Electrical	Electrical	040000	Switchgear
6000000899	Motor Controller; High Voltage, Outdoor	电机控制器; 高压, 户外	CONTROLLER MOTOR; HIGH VOLTAGE, OUTDOOR TYPE, ANY, 16-SAMSS-507	Electrical	Electrical	040000	Switchgear
6000015923	BUS; ISOLATED PHASE BUS DUCT	离相封闭母线	BUS; SIZE ANY, ANY, 16-SAMSS-523, ISOLATED PHASE BUS DUCT	Electrical	Electrical	040000	Switchgear
6000000947	BATTERY CHARGER/ RECTIFIER MORE 100 ADC	电池充电器/整流器, ≥100 ADC	CHARGER FLOAT BATTERY; FLOAT VOLTAGE, ANY OUTPUT, GREATER OR EQUAL TO 100 AMP DC OUTPUT, ANY BATTERY, 17-SAMSS-514	Electrical	Electrical	061000	UPS
6000016171	ADSORBENT: REMOVAL OF Hg, BTEX, HC	吸附剂	ABSORBENT; ANY TYPE, ANY FORM, ADSORBENT; FOR REMOVAL OF MERCURY, MERCAPTANS, HYDROCARBON (BTEX) OR VOLATILE ORGANIC COMPOUND FROM NATURAL GAS, HYDROCARBON CONDENSATE, LPG, NATURAL GASOLINE AND NAPHTHA AND WATER. IT INCLUDES ACTIVATED CARBON, SULFUR/POTASSIUM IODIDE IMPREGNATED CARBON, METAL SULFIDE OR METAL OXIDE.	Chemicals	Drilling & Chemicals	148500	Chemicals, Gas Plant
1000179350	CATALYST: ACTIVATED ALUMINA, CLAUS	克劳斯催化剂	CATALYST; ACTIVATED ALUMINA TYPE, FOR CLAUS CATALYST, 3-6 MM, FOR SULFUR REACTOR, SOLID SPHERE FORM, 800-1000 KG (1763-2204 LB) SLING BAG, DENSITY LESS THAN OR EQUAL TO 705 K G/CU DENSITY LE THAN OR EQUAL TO 705 KG/ M (44LBS/CU FT) REQUIRES SAUDI ARAMCO HAZCOM LABEL IN MM# 1000644267 (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY).	Chemicals	Drilling & Chemicals	148500	Chemicals, Gas Plant
1000182387	CHEMICAL: GR TECHNICAL, 2-(2	二甘醇胺	CHEMICAL; GR TECHNICAL, 2-(2 AMINOETHOXY) ETHANOL, FOR ACID INHIBITOR TO REMOVE CO2 & H2S FROM NATURAL GAS (SWEETENING PROCESS), LIQUID FORM, BULK DELIVERY, IMPORT 18927 L (5000 US GAL), 2-(2 AMINOETHOXY) ETHANOL, DIGLYCOLAMINE "DGA", MISCELLABLE WITH WATER & ALCOHOLS, 1.0572 RELATIVE DENSITY AT 20/20 DEG C	Chemicals	Drilling & Chemicals	148500	Chemicals, Gas Plant
1000182780	ANTIFREEZE: MONO ETHYLENE GLYCOL (MEG)	乙二醇	ANTIFREEZE; MONO ETHYLENE GLYCOL (MEG) TYPE, SPECIFIC GRAVITY 20/20 C 1.115-1.116, DISTILLATIO RANGE 196.0-199.0 DEG C 760 MM HG, WATER (W/W) 0.05% MAX, IRON (PPM W/W 0.1 MAX, ACIDITY WT AS ACETIC ACID 0.001% MAX TECHNICAL, LIQUID, BULK DELIVERY AT SITE, ARAMCO LABORATORY ANALYSIS IS REQUIRED REQUIRES SAUDI ARAMCO HAZCOM LABEL IN M 1000644200 (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)	Chemicals	Drilling & Chemicals	148500	Chemicals, Gas Plant

2026 Material Sourcing List (China)							
Aramco Material No.	Short Description	中文简短描述 (供参考)	Long Description	Commodity	Commodity Group	Aramco Mat'l Service Group No.	Aramco Mat'l Service Group Desc
6000001767	CATALYST SUPPORT; CERAMIC BALL; INERT; S	催化剂支撑剂 (陶瓷球)	BALL; CATALYST SUPPORT TYPE,CERAMIC,CATALYST SUPPORT BALL SHAPE. AMIC RT ERICAL	Chemicals	Drilling & Chemicals	148000	Chemicals, Refinery
6000001766	CATALYST; PRECIOUS METAL;	贵金属催化剂	CATALYST; PRECIOUS METAL TYPE,FOR PETROLEUM REFINING,SAES-A207	Chemicals	Drilling & Chemicals	148000	Chemicals, Refinery
6000018540	ADDITIVE DRILLING FLUID, WHITE FREE FLOW	固体溴化钙	CALCIUM BROMIDE(CABR2)DRY 95% ADDITIVE DRILLING FLUID; WHITE FREE FLOWING POWDER,CRYSTALLINE OR GRANULAR FORM,CALCIUM BROMIDE (CABR2) DRY 95%,FOR WHITE FREE FLOWING POWDER,CRYSTALLINE OR GRANULAR WITH NO LUMPS,CALCIUM BROMIDE SALT USED FOR PREPARING COMPLETION FLUIDS AS A SINGLE CABR2 SALT SOLUTION WITH MINIMUM DENSITY OF 1.70 GM/CC,AND CAN BE BLENDED WITH ZINC BROMIDE AND CALCIUM CHLORIDE SOLUT,CALCIUM BROMIDE (CABR2) DRY 95%,25 KG (55.1 LB) BAG (NET WEIGHT),WHITE FREE FLOWING POWDE CRYSTALLINE OR GRANULAR WITH NO LUMP,CALCIUM BROMIDE SALT USED FOR PREPARING COMPLETION FLUIDS AS A SINGLE CABR2 SALT SOLUTION WITH MINIM DENSITY OF 1.70 GM/CC, A CAN BE BLENDEN WITH ZINC BROMIDE AND CALCIUM CHLORIDE SOLUTIONS TO FORMULATE, SOLIDS-FREE NON-DAMAGING HIGH-DENSIT BRINE BLENDS WITH DENSITIES UP TO 143 PCF (19.1 LB/GAL). APPEARANC WHITE FREE FLOWING POWDE CRYSTALLINE OR GRANULAR, NO LUMPS SATURATED BRIND SOLUTION: CLEAR COLORLES PURITY AS CABR2, PERCENT 95 MINIMUM SG AT 77 DEG (25 DEG C): 3.2 - 3.4 SOLUBILITY IN WATER AT 6 DEG F (20 DEG C), WT PERCENT 58 MINIMUM IRON, PPM: 10 MAXIMUM CHLORIDE AS CaCl2, WT PERCENT 1.5 MAXIMUM SULFATE, PPM: 20 MAXIMUM HEAVY METALS, PP PB: 5 MAXIMUM HG: 1 MAXIMUM AS: 5 MAXIMUM Cd 5 MAXIMUM SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICAT OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. U REFERRED IN THIS MATERIA IS NET VOLUME/WEIGHT. LABEL: PRODUCTNAME, BAT NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAM AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE MSDS. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)"	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General
1001130337	ADDITIVE DRILLING FLUID, YELLOW TO DARK	极压润滑剂	EXTREME LUBRICANT FOR UNDERBALANCE COILED TUBING DRILLING ADDITIVE DRILLING FLUID; YELLOW TO DARK AMBER LIQUID FORM,BLEND OF FATTY AMIDES ACID AND ESTERS, OR POLYOL ESTER OF FATTY ACIDS,FOR COMBUSTIBLE AMBER LIQUID BLEND OF POLYMERIZED FATTY AMIDE, ACID AND ESTER, OR POLYOL ESTER OF FATTY ACID USED IN SOLIDS-FREE DRILL-IN FLUIDS OR MONOVALENT BRINES TO REDUCE TORQUE AND DRAG IN HIGHLY TORTUOUS OR EXTENDED REACH WELLS, INCLUDING COILED TUBING,BLEND OF FATTY AMIDES ACID AND ESTERS, OR POLYOL ESTER OF FATTY ACIDS,55 GAL (208 LITER) DRUM (NET VOLUME),APPEARANCE: YELLOW TO DA AMBER. SWEET AND MILD OD SOLUBILITY IN WATER: INSOLUBLE IN WATER SPECIFI GRAVITY AT TH RANGE BETWEEN 68F (20C): 0.95 - 1.05 FLASH POINT (PMCC): GREATER THAN 212 (100C) IT WILL NOT GREAS OR PHASE OUT. SAUDI ARAM RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAM AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE MSDS. IT IS NON-DAMAGING TO PRODUCING ZONES, NON-TOXIC, ENVIRONMENTAL FRIENDLY AND HELPS PREVE BIT BALLING AND DIFFERENTIAL STICKING. T PRODUCT IS COMPATIBLE WI SEAWATER AND MONOVALENT BRINE-BASED DRILLING FLUIDS. OTHER ASSOCIATED ELEMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSELY AFFECT FLUID PROPERTIES. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4- WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION."	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General
1000021558	CALCIUM HYDROXIDE (HYDRATED LIME)	氢氧化钙	CALCIUM HYDROXIDE (HYDRATED LIME) ADDITIVE DRILLING FLUID; DRY, FREE FLOWING FINE POWDER FORM,CALCIUM HYDROXIDE, Ca(OH)2,FOR TO CONTROL PH, BICARBONATE, AND H2S CONTAMINATION. LIME IS ALSO A PRIMARY COMPONENT OF INVERT EMULSION MUDS,CALCIUM HYDROXIDE (HYDRATED LIME),25 KG(55.1 LBS.) MULTI WALLED PAPER BAG WITH INNER POLYETHYLENE SEALED LINER. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL .,ADDITIVE DRILLING FLUID DRY, FREE FLOWING FINE POWDER FORM, CALCIUM HYDROXIDE, Ca(OH)2, FOR TO CONTROL PH, BICARBONATE, AND H2S CONTAMINATION. LIME IS ALSO A PRIMARY COMPONENT OF INVERT EMULSION MUDS, CALCIUM HYDROXIDE (HYDRATED LIME), 25 KG (55.1 LBS.) MULTI WALLED PAPER BAG WITH INNER POLYETHYLENE SEALED LINER. SHIPMENT OF PRODUCTS MUST CONFIRM TO SAUDI ARAMCO EXPORT PACKING MANUAL ., CALCIUM HYDROXIDE Ca(OH) HYDRATED LIME - TECHNICAL GRADE USED TO INCREASE T PH AND TO PROVIDE CALCIUM IONS IN DRILLING AND COMPLETION FLUIDS TO MAINTAIN A BASIC PH. IT IS AN ESSENTIAL ADDITIVE AS A MEANS OF ADJUSTING THE ALKALINITY WHEN BICARBONATE/CARBONATE AN H2S CONTAMINATIONS EXIST IN ADDITION, LIME IS USE FOR MAINTAINING THE ALKALINITY OF OIL-BASED DRILLING FLUIDS TO ACTIVATE THE FATTY ACID BASED EMULSIFIERS AND OFFERS A DEGREE OF CORROSION PROTECTION. CHEMICAL AND PHYSICAL SPECIFICATIONS WHITE POWDER CALCIUM HYDROXIDE Ca(OH)2: 90% WT. MINIMUM MOISTURE: 1%WT. MAXIMUM PH: 12 MINIMUM - SATURATED SOLUTION IN DI WATER AT 68°F (20°C) SPECIFIC GRAVITY AT 68°F (20°C): 2.2 - 2.4 INSOLUBLE IMPURITIES IN 15% HYDROCHLORIC ACID): 0.2% WT. MAXIMUM MAGNESIUM AN ALKALI SALTS:2.5% WT. MAXIMUM IRON CONTENT: 0.1 WT. MAXIMUM PASS THROUGH 75 MM SIEVE (WET SCREEN): >97%. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAM AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General
1000022138	LOW TOXICITY BASED OIL	低毒基础油	LOW TOXICITY BASED OIL ADDITIVE DRILLING FLUID; CLEAR LIQUID FORM,LOW TOXICITY,ODORLESS BASE OIL WITH VERY LOW AROMATIC CONTENT,FOR OIL-BASED DRILLING FLUIDS,LOW AROMATIC BASE OIL,BULK,SAES-A-103 PROTECTION OF THE MARINE ENVIRONMENT FROM 8 DECEMBER 2016, EPA 1654, ASTM D5292),,LOW TOXICITY BASE OIL: A LOW AROMATIC CLEAR ODORLESS LIQUID USED TO FORMULATE LOW TOXICITY OIL-BASED DRILLING AND COMPLETION FLUIDS. THIS BASE OIL MUST BE CHEMICALLY COMPATIBLE WI THE WATER-EMULSIFYING AGENTS, ORGANOPHILIC CLAYS, ORGANOPHILIC LIGNITE AND CROSS-LINKED POLYMERS FILTRATION CONTROL AGENTS TO PRODUC A STABLE INVERT EMULSION AND ALL OIL SYSTEMS WITH LOW FILTRATION RATES. CHEMICAL AND PHYSICAL SPECIFICATIONS: ODORLESS CLEAR LIQUID, FREE FROM SUSPENDED MATTER SPECIFI GRAVITY @ 59°F (15°C): 0.70-0.79 (ASTM D1298) FLASH POINT: >185°F (85° (ASTM D 93) ANILINE POIN >167°F (75°C) (ASTM D 61 TOTAL AROMATICS CONTENT: 0.5% WT. (ASTM D 5292) POLYCYCLIC AROMATICS HYDROCARBONS CONTENT: < 0.1% WT BUT > 0.001% WT (EPA 1654 REV. A) OLEFIN CONTENT: NIL PPM BENZENE CONTENT: NIL PPM POLYNUCLEAR AROMATIC: NI PPM MYSID SHRIMP NINETY-SIX HOUR BIOASSAY TEST LC50: > 100,000 PPM SAUDI ARAMCO RESERVES TH RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSU COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAM AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHE (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY).	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General

2026 Material Sourcing List (China)							
Aramco Material No.	Short Description	中文简短描述 (供参考)	Long Description	Commodity	Commodity Group	Aramco Mat'l Service Group No.	Aramco Mat'l Service Group Desc
1000845612	MICROMAX – MANGANESE TETROXIDE	四氧化三锰	<p>MICROMAX – MANGANESE TETROXIDE ADDITIVE DRILLING FLUID; FINE REDDISH BROWN POWDER FORM, FINE REDDISH BROWN POWDER OF MANGANESE TETROXIDE (Mn3O4) WITH AVERAGE SPHERICAL PARTICLE DIAMETER 0.5 – 2 MICRONS. IT IS USED AS WEIGHT MATERIAL IN DRILLING, COMPLETION AND CEMENTING FLUIDS TO REACH HIGH DENSITY DRILLING FLUIDS WITH LOW EQUIVALENT CIRCULATING DENSITY (ECD), MINIMAL SAG AND CAUSE LESS FORMATION DAMAGE. THE CHEMICAL AND ITS ASSOCIATED ELEMENTS MUST NOT BE HARMFUL TO PERSONNEL AND/OR PROPERTIES, FOR USED AS WEIGHT MATERIAL IN DRILLING, COMPLETION AND CEMENTING FLUIDS, MANGANESE TETRAOXIDE, 1000 KG (2204 LBS.) MULTI -WALL MOISTURE-PROOF POLYETHYLENE LINED BAGS WITH LIFTING STRAPS, WITHOUT BOTTOM SPOUT. LIFTING STRAP BAG IS DISPOSABLE, TOP CLOSURE WATERTIGHT, STACKABLE. MINIMUM TENSILE STRENGTH FACTOR 5, FLEXURAL STRENGTH FOR NORMAL HANDLING & OUTSIDE STORAGE. THE DISPOSABLE SUPER SACKS SHOULD HAVE AT LEAST 75% OF THEIR SHELF LIFE REMAINING (THE PERIOD FROM DATE OF MANUFACTURING TO THE WARRANTED EXPIRATION DATE) WHEN SHIPPED OR RECEIVED AT DESIGNATED PLACE OF DELIVERY TO SAUDI ARAMCO. REFER TO SAP NUMBER: 1000840600 FOR DISPOSABLE SUPER SACKS SPECIFICATIONS. SUPPLIERS ARE REQUIRED TO WEIGHT THE TRUCKS BEFORE AND AFTER LOADING AND SUBMIT TO MATERIAL SUPPLY AN OFFICIAL TICKET PRINT DATA STATING: DATE AND TIME COMPANY AND ADDRESS, TRUCK IDENTITY NUMBER, MATERIAL NAME, TRUCK WEIGHT BEFORE AND AFTER LOADING. SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, APPEARANCE: REDDISH-BROWN POWD, CHEMICAL AND PHYSICAL SPECIFICATIONS APPEREANC FINE REDDISH BROWN POWDE ODORLESS. Mn3O4: 85%WT MINIMUM FE CONTENT: 4.5% MAXIMUM PARTICLE DIAMETE D90 LESS THAN 5 MICRONS AND D50 0.5 – 2 MICRONS, SOLUBILITY IN WATER: INSOLUBLE, PH (5G IN 50 DI WATER): 7 – 10.5, SPECIFIC GRAVITY @ 68 DE F (20 DEG C): 4.8, MINIM BULK DENSITY: 84 LB/FT3 (950-1050 KG/M3), SURFAC AREA: 1 – 5 M2/G. MICROMA IS ONLY SLIGHTLY SOLUBLE IN ORGANICA ACIDS SUCH A CITRIC ACID, AND IT MUST NOT BE TREATED WITH HYDROCHLORIC ACID (HCl), BECAUSE THE REACTION PRODUCES CHLORINE GAS. SAUDI ARAMCO RESERVE THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATC NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY).</p>	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General
1000021605	PAC-R POLYANIONIC CELLULOSE (REGULAR)	聚阴离子纤维素	<p>PAC-R POLYANIONIC CELLULOSE (REGULAR) ADDITIVE DRILLING FLUID; DRY, FREE-FLOWING GRANULATED POWDER. FORM, DRY, FREE-FLOWING GRANULATED POWDER, PURE WATER-SOLUBLE POLYMER, SALT-FREE, AND SHALL NOT CONTAIN ANY OTHER POLYSACCHARIDES SUCH AS STARCH, GUAR, OR ANY OTHER POLYMERS OR THEIR DERIVATIVES. THE PRODUCT DISPERSES RAPIDLY IN FRESH WATER, SEA WATER AND SALT SATURATED DRILLING FLUIDS TO PROVIDE FILTRATION CONTROL AND FORMS A THIN, RESILIENT FILTER CAKE, INHIBITS SHALE, AND STABILIZE RHEOLOGY. IT IS NON-TOXIC, HARMLESS TO PERSONNEL AND THERMALLY STABLE TO $\geq 275^{\circ}\text{F}$ (135°C). PAC-R QUALITY IS MONITORED BY EXPEC ARC LABORATORIES. EXPEC CERTIFICATE OF ACCEPTANCE (EXPEC/COA) REFERRING TO THE RESPECTIVE BATCH NUMBER MUST BE ATTACHED TO EACH SHIPMENT DOCUMENTS ACCEPTED FOR FIELD APPLICATIONS. FOR USED AS A FILTRATE REDUCER AND SUPPLEMENTARY VISCOSIFIER TO FORM A THIN, RESILIENT FILTER CAKE., NACMC, 25 KG (55.1 LBS.) MULTI-WALL PAPER BAG, VALVE/SPOUT TYPE SEALED, MOISTURE AND WATER PROOF. THE CONSTRUCTION OF THE MULTI-WALLED PAPER BAG SHALL BE AS FOLLOWS: 1ST PLY 50 LB. NATURAL KRAFT PAPER (INTERIOR PLY). 2ND PLY 50 LB. NATURAL KRAFT PAPER 3RD PLY SEPARATE INNER BAG LINER, HIGH DENSITY ORIENTED AND CROSS-LAMINATED INNER POLY-ETHYLENE RESIN LINER (TUBULAR SHAPE) WITH A MINIMUM WALL THICKNESS OF 0.1 MM. 4TH PLY 50 LB. NATURAL KRAFT PAPER. 5TH PLY 60 LB. NATURAL KRAFT PAPER. WET STRENGTH (EXTERIOR PLY) SHIPMENTS SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, API SPECIFICATION 13A 18TH EDITION, AUGUST 2010, CHEMICAL AND PHYSICAL SPECIFICATIONS WHITE OR TAN FREE-FLOWING GRANULAR POWDER, MOISTURE CONTENT 10% MAXIMUM SODIUM CHLORIDE CONTENT (1% SOLUTION IN DI WATER) : 0.02%WT MAXIMUM. STARCH OR STARCH DERIVATIVES: NIL PURE NACMC (ON A DRY-WEIGHT BASIS). PARTICLE SIZE: 100% WT. PASS THROUGH 10 US MESH SCREEN 15% WT. MAXIMUM RETAINED ON TOP OF 20 US MESH SCREEN MEDIAN PARTICLES "D50": 500 - 800 MICRONS DEGREE OF SUBSTITUTION: D.S.: ≥ 0.9 PH: 7-8 (ONE GRAM IN 350 CC DEIONIZED WATER) APPARENT VISCOSITY (1%WT IN DEIONIZED WATER): 50 CP MINIMUM API FILTRATE VOLUME: 23 ML/ 30 MINUTE MAXIMUM (API 13A 18TH EDITION SEC. 2.8). SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO). PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE O ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4- WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.</p>	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General
6000003961	Alkalinity Control (ECO & environmentally friendly alkalinity modifier to replace caustic soda)	钻井液碱度调节剂 (替代烧碱)	CHEMICAL; ANY, MATERIALS USED TO CONTROL ALKALINITY IN WATER BASED MUD, OIL BASED MUD AND BRINE. AND TO TREAT WATER BASED MUD CONTAMINATION	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General
1000811877	MICRO-WASH FORMIC ACID	甲酸	<p>MICRO-WASH FORMIC ACID-BAKER HUGHES ADDITIVE DRILLING FLUID; CLEAR, COLORLESS LIQUID FORM, FORMIC ACID ADDITIVE, FOR USED FOR FORMULATING MICRO-WASH, FORMIC ACID >90%, 55 GAL. (208 LITER) DRUM SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, MICRO-WASH FORMIC ACID-BAKER HUGHES: CLEAR LIQUID FORMIC ACID ADDITIVE FOR FORMULATING MICRO-WASH. [BAKER HUGH MICRO-WASH ACID SYSTEM CONSISTS OF: PRIME-743 (SAP #1000811425), PRIME-760 (SAP #1000811426), PRIME-770 (SAP #1000811427), OHR-7 (SAP #1000811421), OHR-A (SAP #1000811422), OHR-7 (SAP #1000811423), OHR-7 (SAP #1000811424), GLACI ACETIC ACID (SAP #1000814796), AND FORMIC ACID (SAP #1000811877)]. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: CLEAR COLORLESS LIQUID FORMIC ACID: >90%. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WIT THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS (COA) AND CERTIFICATE OF ORIGIN (COO) FOR EVERY BATCH. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MSDS. "UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT" (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4- WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.</p>	Chemicals	Drilling & Chemicals	002300	Drlg Fluids - Mud
6000016111	DRAG REDUCING AGENT (DRA)	油气集输管道减阻剂	CHEMICAL; ANY, SAP-501, DRA IT IS A CHEMICAL THAT IS COMPOSED OF LONG CHAINS OF VERY HIGH MOLECULAR WEIGHT POLYMERS SUSPENDED IN A CARRIER FLUID USED IN FLUID-TRANSPORTING-PIPELINE TO REDUCE PIPELINE FRICTIONAL LOSSES/PRESSURE DROP FOR THE PURPOSE OF INCREASING PIPELINE FLOW RATE AND/OR DECREASING PIPELINE OPERATING PRESSURE.	Chemicals	Drilling & Chemicals	148400	Flow Chemicals
1000840182	AGENT, FLOW IMPROVER	管道减阻剂	AGENT; FLOW IMPROVER TYPE, FOR DRAG REDUCING AGENT, ISO TANK/ 6000 US GALLON, DENSITY: 8.0 LBS/GAL (0.96 G/CM3), FLASH POINT: NOT APPLICABLE, VISCOSITY: 350 CP @ 51S-1 (NON-NEWTONIAN), (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY)	Chemicals	Drilling & Chemicals	148400	Flow Chemicals

2026 Material Sourcing List (China)							
Aramco Material No.	Short Description	中文简短描述 (供参考)	Long Description	Commodity	Commodity Group	Aramco Mat'l Service Group No.	Aramco Mat'l Service Group Desc
1000021602	HIGH TEMPERATURE FLUID LOSS CONTROL	抗高温降滤失剂	HIGH TEMPERATURE FLUID LOSS CONTROL POLYMER ADDITIVE DRILLING FLUID; POWDER FORM, COPOLYMER, FOR FILTRATION CONTROL AGENT FOR ALL TYPES OF WATER-BASED MUDS FOR TEMPERATURES UP TO 500 °F (260 °C). ANIONIC ACRYLAMIDE METHYLPROPANESULFONIC ACIDS COPOLYMER, 50 LBS. (22.7 KG). MULTI-WALLED PAPER BAG. THE CONSTRUCTION OF THE MULTI-WALLED PAPER BAG SHALL BE AS FOLLOWS: 1ST PLY 50 LB. MIN. NATURAL KRAFT PAPER (INTERIOR PLY) 2ND PLY 50 LB. MIN. NATURAL KRAFT PAPER 3RD PLY SEPARATE INNER LINER, HIGH DENSITY ORIENTED, CROSS-LAMINATED. POLYETHYLENE RESIN INNER LINER (TUBULAR SHAPE) WITH A MINIMUM WALL THICKNESS OF 0.1 MM. 4TH PLY 50 LB. MIN. NATURAL KRAFT PAPER 5TH PLY 60 LB. MIN. NATURAL KRAFT PAPER WET STRENGTH (EXTERIOR PLY) THE BAG MUST BE VALVE/SPOUT TYPE, COMPLETELY SEALED, MOISTURE AND WATER PROOF SHIPMENT OF PRODUCT SHALL CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, HIGH TEMPERATURE FLUID LOSS CONTROL POLYMER: A WHITE POWDER OF ANIONIC ACRYLAMIDE METHYLPROPANESULFONIC ACIDS (AMPS) COPOLYMER USED AS A FILTRATION CONTROL AGENT FOR ALL TYPES OF WATER-BASED FLUIDS WHILE BEING INSENSITIVE TO HIGH CONCENTRATIONS OF SALTS INCLUDING CALCIUM CHLORIDE AND WILL TOLERATE BOTTOM-HOLE TEMPERATURES UP TO 500 °F (260 °C). IT DOES NOT HYDROLYZE AND WILL PERFORM OVER A BROAD pH RANGE (7 - 12) WITHOUT LIBERATION OF AMMONIA GAS AND VERY TOLERANT OF CEMENT CONTAMINATION. OTHER ASSOCIATED ELEMENT MUST NOT BE HARMFUL TO PERSONNEL AND/OR ADVERSELY AFFECT FLUID PROPERTIES. CHEMICAL AND PHYSICAL SPECIFICATIONS: COLORLESS TO YELLOWISH POWDER COMPLETELY SOLUBLE IN DI WATER. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION."	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General
1000876207	COPOLYMER POLYMER SWEEP STICK	共聚物清扫棒	COPOLYMER POLYMER SWEEP STICK ADDITIVE DRILLING FLUID; SOLID FORM, ACRYLIC COPOLYMER, FOR USED TO PROVIDE VISCOSITY, REDUCE FRICTION, ENCAPSULATE CUTTINGS AND PROVIDE A LIMITED AMOUNT OF FLUID-LOSS CONTROL IN WBM., ACRYLIC COPOLYMER STICK, 20 STICKS IN 6 GAL METAL CONTAINER. SHIPMENT OF PRODUCTS MUST CONFORM TO SAUDI ARAMCO EXPORT PACKING MANUAL, COPOLYMER POLYMER SWEEP STICK: SOLID ACRYLIC COPOLYMER STICK USED TO PROVIDE VISCOSITY, REDUCE FRICTION, ENCAPSULATE CUTTINGS AND PROVIDE A LIMITED AMOUNT OF FLUID-LOSS CONTROL IN WATER-BASE DRILLING FLUIDS. IT IS DROPPED IN THE DRILL STRING DURING CONNECTIONS AND PROVIDES CONSISTENT HIGH VISCOSITY SWEEPING PILL ALTERNATIVE TO HIGH-VISCOSITY MUD SWEEPS. CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: A TUBE FILLED WITH POLYMER SIZE: 1-1/4 IN. SPECIFIC GRAVITY @ 68°F (20°C): 1.85 – 1.99 SOLUBLE IN WATER. SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION AND SPECIFICATIONS. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, EXPIRATION DATE, SAP NUMBER AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET (MSDS). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. (AS APPLICABLE, SAFETY DATA SHEET SHOULD BE SUBMITTED WITH PO OFFER AND DURING MATERIAL DELIVERY). PALLET, PLASTIC TYPE, HEAVY-DUTY SIZE (W X L X H), 120 X 120 X 15 CM, DOUBLE-DECK, 4-WAY ENTRY, RACKABLE/STACKABLE, ANTI-SLIP, CHEMICAL AND WEATHER RESISTANT, HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611, MS 8314-05 PALLET PACKING SPECIFICATION.	Chemicals	Drilling & Chemicals	002000	Drlg Chem - General
1001602845	Acetic Acid	乙酸	CHEMICAL; ACETIC ACID, CLEAR, COLORLESS LIQUID FORM, > 96% ACETIC ACID, X ACETIC ACID IS AN ORGANIC WEAK ACID USED TO TREAT WELLBORE DAMAGE CAUSED BY OBM CONTAINING ACID SOLUBLE MATERIAL, COMMONLY CALCIUM CARBONATE, WHICH IS USED IN DRILL-IN FLUIDS AS A BRIDGING / WEIGHTING MATERIAL. DEPENDING UPON BOTTOM HOLE CONDITIONS. COMPOSITION > 96% ACETIC ACID CONTAINER 275 GALLON IBC CONTAINER (NET VOLUME) STANDARDS CHEMICAL AND PHYSICAL SPECIFICATIONS: APPEARANCE: CLEAR COLORLESS ODOR: STRONG PUNGENT VINEGAR ACETIC ACID: >96%. FLASH POINT: >102 °F (38.9 °C) CATALOG INFO SAUDI ARAMCO RESERVES THE RIGHT TO COLLECT REPRESENTATIVE PRODUCT SAMPLES AND CONDUCT LABORATORY TESTS TO ENSURE COMPLIANCE WITH THE MATERIAL DESCRIPTION. PRODUCT MANUFACTURER AND/OR SUPPLIER ARE REQUIRED TO SUBMIT LAB CERTIFICATE OF ANALYSIS FOR EVERY BATCH (COA) AND CERTIFICATE OF ORIGIN (COO). UOM REFERRED IN THIS MATERIAL IS NET VOLUME/WEIGHT. PALLET PLASTIC TYPE SIZE (W X L X H) 120 X 15 CM 4-WAY ENTRY RACKABLE/STACKABLE ANTI-SLIP WEATHER RESISTANT HYGIENIC AND RECYCLABLE AND SHALL BE CERTIFIED (BY A SAUDI ARAMCO RECOGNIZED INDEPENDENT MATERIALS TESTING AGENCY) FOR MINIMUM STATIC LOAD CAPACITY AS PER ISO 8611 MS 8314-05 PALLET PACKING SPECIFICATION. LABEL: PRODUCT NAME, BATCH NUMBER, PRODUCTION DATE, SAP NUMBER, EXPIRATION DATE, AND COUNTRY OF ORIGIN, MANUFACTURER NAME AND CONTACT INFORMATION. HAZCOM ACCORDING TO THE MATERIAL SAFETY DATA SHEET MICAL AND MSDS. BLE-DECK VY-DUTY	chemicals	Drilling & Chemicals	002000	Drlg Chem - General
6000016483	MUD SYSTEM	非常规钻井泥浆体系	ADMIXTURE DRILLING MUD; ANY DRILLING FLUIDS SYSTEM OR PRODUCT USED AS WATER BASED MUD (WBM) OR OIL BASED MUD (OBM) OR FOR SPECIAL APPLICATION TO DRILL THE RESERVOIR OR NON-RESERVOIR HOLE SECTIONS. EXAMPLES NON-CONVENTIONAL LCM, HIGH OVER BALANCE MUD SYSTEM, SHALE INHIBITION MUD SYSTEM, RESERVOIR DRILL-IN FLUID (RDF), FILTER CAKE REMOVAL SYSTEM, HIGH PERFORMANCE WATER BASE MUD (HPWBM), HIGH PERFORMANCE OIL BASE MUD (HPOBM), SPACER CLEANING SYSTEM.	chemicals	Drilling & Chemicals	002300	Drlg Fluids - Mud
6000004041	HANGER: LINER; FOR GAS WELLS	尾管悬挂器	LINER; ANY TYPE, LINER HANGER AND ACCESSORIES FOR GAS WELLS	Drilling Downhole	Drilling & Chemicals	005000	Downhole Equipment
6000004065	PACKER: PRODUCTION; KHF	封隔器 (KHF)	PACKER PRODUCTION; PERMANENT TYPE, FOR H2S, WIRELINE SET AND HYDRAULIC SET ACTIVATION, ANY OD, ANY CONNECT, KHUFF	Drilling Downhole	Drilling & Chemicals	005000	Downhole Equipment
6000004047	PACKER, MECHANICAL, SWELLABLE, ISOLATION	可膨胀型封隔器	PACKER; ANY TYPE, MECHANICAL, SWELLABLE, ISOLATION PACKERS	Drilling Downhole	Drilling & Chemicals	005000	Downhole Equipment
6000004063	PACKER: PRODUCTION; NON-KHF	封隔器 (Non-KHF)	PACKER PRODUCTION; PERMANENT TYPE, FOR H2S, ANY OD, ANY CONNECT, NON-KHUFF	Drilling Downhole	Drilling & Chemicals	005000	Downhole Equipment
6000001862	A/C UNIT; SPLIT; DIRECT EXP, 5.5 TO 63 TONS	分体直膨式空调机组	AIR CONDITIONING UNIT; AIR CONDITIONING UNIT SPLIT UNIT DIRECT EXPANSION TYPE, SIZES 5.5 TO 63 COOLING TONNAGE COOLING, AHRI 340/360, UL1995, EER VALUE SHALL BE IN ACCORDANCE WITH THE EER TABLE IN SAES-K-001.	Air Conditioning	Communities & Offices	167000	Air Con, Window
6000013333	AIR CONDITIONING UNIT; SPLIT	分体直膨型式空调机组, 用于控制、通信和数据处理的精密制冷	AIR CONDITIONING UNIT; SPLIT TYPE, DIRECT EXPANSION, R-22 OR R-134A, ASHRAE-127, UL-1995, PRECISION COOLING FOR CONTROL, COMMUNICATION, AND DATA PROCESSING	Air Conditioning	Communities & Offices	167000	Air Con, Window
6000001823	AIR CONDITIONING UNIT; PACKAGED UNIT TRA	拖车式空调机组, 风冷	AIR CONDITIONING UNIT; PACKAGED UNIT TRAILERIZED TYPE, AIR COOLED, R-22 OR R-134A, MANUFACTURER STANDARD	Air Conditioning	Communities & Offices	166000	Air Cond, Package
6000001828	CHILLER; WATER; PACKAGED WATER COOLED FO	用于公用系统的整体式水冷机组	CHILLER WATER; PACKAGED WATER COOLED FOR UTILITY APPLICATIONS TYPE, ANY NOM, CENTRIFUGAL COMPRESS, R-134A, 27-SAMSS-001, AHRI-550/590 ASHRAE 90.1	Air Conditioning	Communities & Offices	169000	Cold Store Eqpt
6000013331	FILTER, AIR, HEPA	高效空气微粒过滤器, 超低穿透率空气过滤器。要求UL-586第三方认证	FILTER; PARTICULATE AIR FILTER TYPE: HEPA, ULPA APPLICATION: HEATING, VENTILATION, AND AIR-CONDITIONING (HVAC) FOR BUILDINGS CERTIFICATION: THIRD-PARTY CERTIFIED TO UL-586	Air Conditioning	Communities & Offices	171000	Ducting, Dampers

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6000002404	TOWER; COOLING; WATER;	冷却水塔	TOWER COOLING; WATER TYPE,27-SAMSS-003,ASHRAE 90.1	Air Conditioning	Communities & Offices	179000	HVAC, Other
6000007813	GRATING; OFFSHORE; FIRE RETARDANT;	格栅板	GRATING; FIRE RETARDANT TYPE,SIZE ANY,PULTRUDED PHENOLIC RESIN,12-SAMSS-023,NONMETALLIC FIBER-REINFORCED COMPOSITE PLATFORMS. SHORE	Gen Sup & Bldg. Mat.	Communities & Offices	157000	Nonmetallic B&C Mat
6000000390	CHAIN; LOAD RATED; GRADE 80 OR 100	起重链条	CHAIN LOAD RATED; ANY TRADE SI,ANY LOAD,M A391,M A973,CHAIN 80 OR 100 FOR SLINGS LIFTING ASSEMBLIES EXCLUDING POWER ANCHOR CHAIN DE D RATED HORE NSMISSION AND	Gen Sup & Bldg. Mat.	Communities & Offices	156000	Wire Rope, Chains