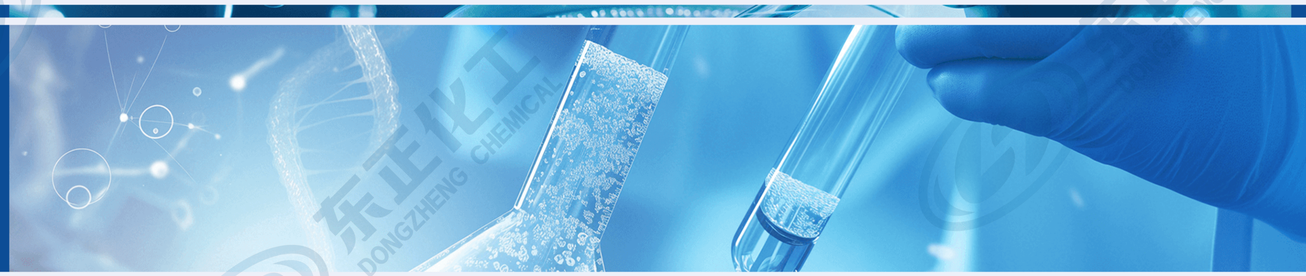
硫酸铬钾（铬明矾）
Chromium Potassium Sulfate (Chrome Alum)





产品信息

【分子式】$KCr(SO_4)_2 \cdot 12H_2O$

【分子量】499.41

【CAS号】7788-99-0

【外　观】紫色或紫红色等轴晶系八面体结晶，易制成大颗粒结晶。

产品性质

物理化学性质

相对密度1.826(25°C)，熔点89°C，加热至100°C失去10个结晶水，加热至400°C 时失去12个结晶水变成无水物；易溶于水和稀酸，不溶于醇，水溶液呈紫红色，加热至70°C变为绿色溶液，冷却后逐渐恢复为紫色；易吸潮，在干燥空气中易风化。

包装

25KG 纸塑复合装。（可根据客户需求定制）

存储

存放在阴凉、通风、干燥的库房内，保持包装密封，防潮、防止风化。不得与食用物品、易燃物品共贮混运。

技术指标

【执行标准】HG/T 4313-2012

质量指标			指 标	
			一等品	合格品
硫酸铬钾（以CrK(SO4)2·12H2O计）	w/ %	≥	99.50	98.50
水不溶物	w/ %	≤	0.10	0.20
氯化物（以Cl计）	w/ %	≤	0.20	0.30
铁（以Fe计）	w/ %	≤	0.02	0.03
六价铬（以Cr6+计）	w/ %	≤	0.003	

应用领域



用作鞣革剂、媒染剂及照相定影剂等。



Product Information

【Molecular Formula】$KCr(SO_4)_2 \cdot 12H_2O$
【Molecular Weight】499.41
【CAS Number】7788-99-0
【Appearance】 Purple or purplish-red isometric octahedral crystals, can be made into large crystal granules.

Properties

Physical and Chemical

Relative density: 1.826 (25°C). Melting point: 89°C. Loses 10 molecules of crystal water when heated to 100°C; loses all 12 molecules when heated to 400°C, becoming anhydrous. Easily soluble in water and dilute acids, insoluble in alcohol. The aqueous solution is purplish-red, turns green when heated to 70°C, and gradually returns to purple upon cooling. Highly hygroscopic and prone to weathering in dry air.

Packaging

25 kg paper-plastic composite bag or as per customer requirements.

Storage

Store in a cool, ventilated, and dry warehouse. Keep packaging sealed to prevent moisture absorption and weathering. Do not store or transport with food, flammable materials, or other incompatible substances.

Technical Indicators

【Standard】HG/T 4313-2012

Quality Index	Specification	
	First Grade	Qualified Grade
Potassium chromium sulfate (calculated as $CrK(SO_4)_2 \cdot 12H_2O$) w/ % ≥	99.50	98.50
Water-insoluble matter w/ % ≤	0.10	0.20
Chloride (as Cl) w/ % ≤	0.20	0.30
Iron (as Fe) w/ % ≤	0.02	0.03
Hexavalent chromium (calculated as Cr6+) w/ % ≤	0.003	

Application area



Used as a tanning agent, mordant, and photographic fixing agent, among others.

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