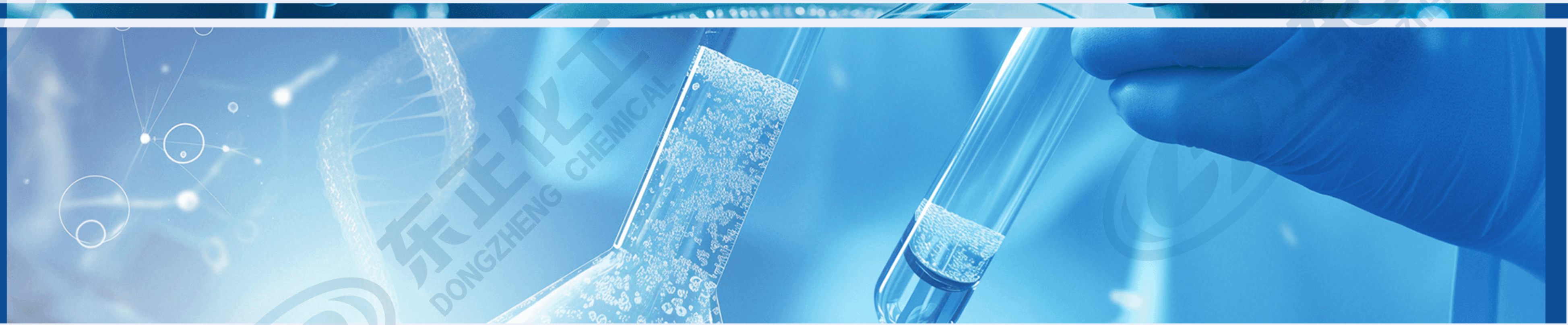


硝酸铬 Chromium Nitrate



产品信息

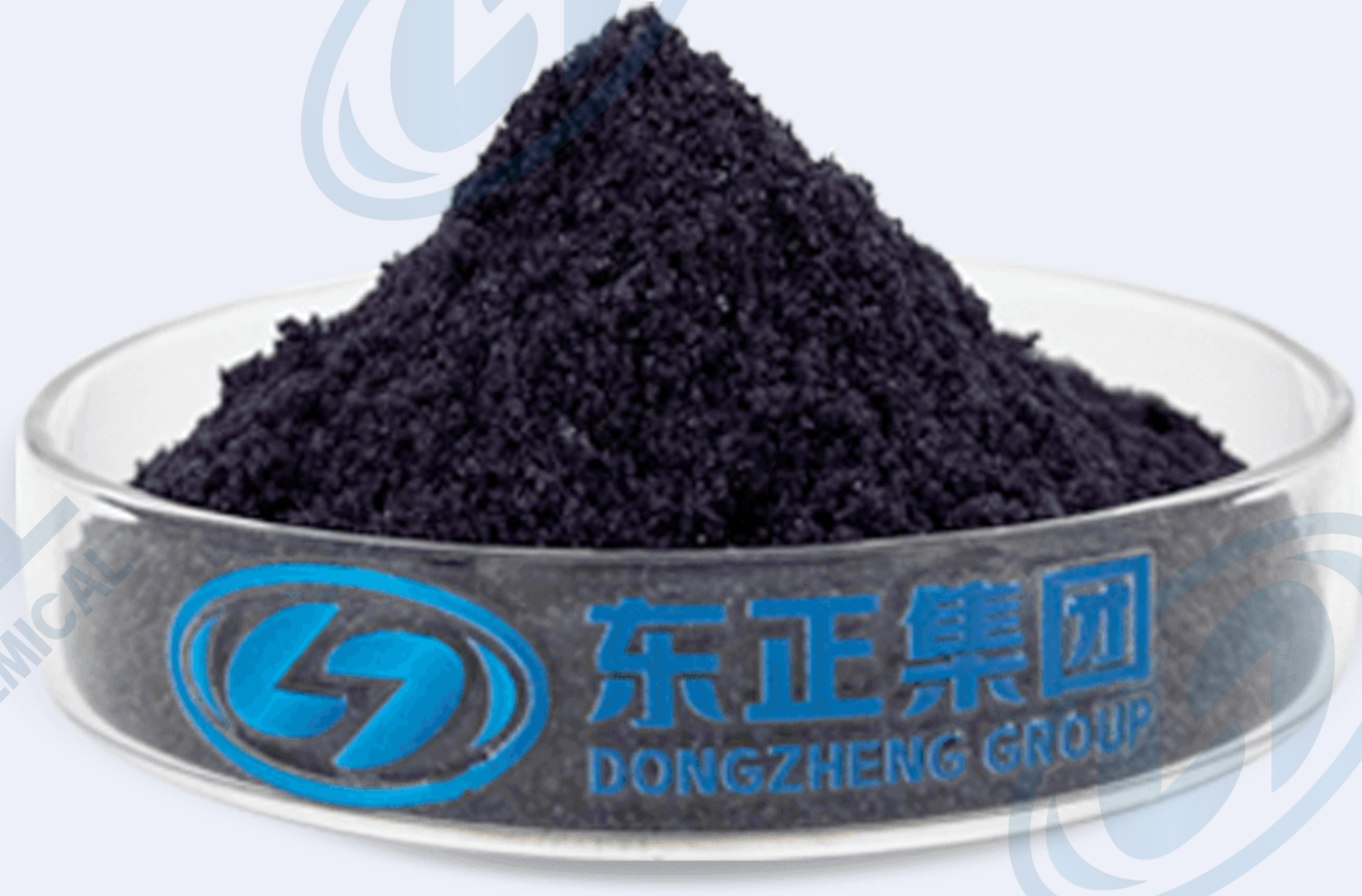
Product Information

【分子式】 $\text{Cr}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$

【分子量】400.15

【CAS号】7789-02-8

【外 观】深紫色正交单斜结晶



Product Information

【Molecular Formula】 $\text{Cr}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$

【Molecular Weight】400.15

【CAS Number】7789-02-8

【Appearance】Dark purple orthorhombic or monoclinic crystals

产品性质

Product Nature

● 物理化学性质

易溶于水，溶于酸和碱、乙醇、丙酮；其水溶液加热时呈绿色，冷却后又迅速变为红紫色；加热至100℃时分解，且具有潮解性。

● 包装

25KG纸塑复合袋。(可根据客户需求定制)

● 存储

储运时应注意防潮、防热、防撞击，远离易燃物。

技术指标

Technical Index

【执行标准】Q/DZGY 019-2024

质量指标		优级品	一级品	合格品
硝酸铬 (以 $\text{Cr}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$ 计)	w/ % $\geq$	99.00	98.30	98.00
水不溶物	w/ % $\leq$	0.02	0.05	0.10
氯化物(以Cl计)	w/ % $\leq$	0.01	0.05	0.05
硫酸盐(以 SO_4 计)	w/ % $\leq$	0.01	0.02	0.05
铝(以Al计)	w/ % $\leq$	0.02	—	—
钙(以Ca计)	w/ % $\leq$	0.01	—	—
铁(以Fe计)	w/ % $\leq$	0.005	0.010	0.010
钾(以K计)	w/ % $\leq$	0.005	—	—
钠(以Na计)	w/ % $\leq$	0.03	—	—

Properties

● Physical and Chemical Properties

It is readily soluble in water, soluble in acids, alkalis, ethanol, and acetone; its aqueous solution turns green upon heating and quickly reverts to reddish-purple upon cooling; it decomposes at 100°C and is deliquescent.

● Packaging

25 kg paper-plastic composite bags or as customer specifications.

● Storage

Store in a cool, dry, ventilated warehouse, keep away from fire or flame, and avoid heat and direct sunlight during storage and transportation.

Technical Indicators

【Standard】Q/DZGY 019-2024

Quality Index	Premium Grade	First Grade	Qualified Grade
Chromium Nitrate (as $\text{Cr}(\text{NO}_3)_3 \cdot 9\text{H}_2\text{O}$), w/% $\geq$	99.00	98.30	98.00
Water-insoluble matter, w/% $\leq$	0.02	0.05	0.10
Chlorides (as Cl), w/% $\leq$	0.01	0.05	0.05
Sulfates (as SO_4), w/% $\leq$	0.01	0.02	0.05
Aluminum (as Al), w/% $\leq$	0.02	—	—
Calcium (as Ca), w/% $\leq$	0.01	—	—
Iron (as Fe), w/% $\leq$	0.005	0.010	0.010
Potassium (as K), w/% $\leq$	0.005	—	—
Sodium (as Na), w/% $\leq$	0.03	—	—

应用领域

Industrial Chromic Anhydride



用于玻璃制造、印染及含铬催化剂等。

Application area



It is used in glass manufacturing, textile dyeing, and for producing chromium-containing catalysts.



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