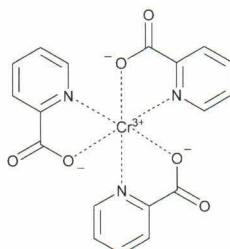


Batch no 20240605  
Mf date Jun 05 2024  
Retest Jun 04 2027

### Molecular Structure



Molecular Formula  $C_{18}H_{12}N_3O_6Cr$   
Molecular Weight 418.30  
CAS Registry Number 14639-25-9

Jul 02 2024

Tests	Specifications	Results
Appearance	Red crystalline free-flowing powder	Conforms
Solubility	Very slightly soluble in water and organic solvents	Conforms
Identification	IR & Test B	Positive
Odor & taste	Characteristic	Conforms
Loss on drying	≤ 4.0%	0.7%
Lead (Pb)	≤ 1 ppm	Conforms
Arsenic (As)	≤ 1 ppm	Conforms
Cadmium (Cd)	≤ 1 ppm	0.1 ppm
Mercury (Hg)	≤ 0.1 ppm	< 0.1 ppm
Chloride (Cl)	≤ 0.06%	Conforms
Sulfate (SO <sub>4</sub> )	≤ 0.2%	Conforms
Bulk density	0.5 ~ 0.7 g/mL	0.7 g/mL
Microbiological limit	Total plate count ≤ 1,000 cfu/gr	10 cfu/gr
	Yeasts & molds ≤ 100 cfu/gr	< 10 cfu/gr
	E. coli Negative	Negative
	Salmonella Negative	Negative
	Staphylococcus Negative	Negative
Particle size	≥ 100% through 80 mesh	100%
Chromium	12.18 ~ 12.66%	12.33%
Assay (HPLC) odb	98.0 ~ 102.0% of $C_{18}H_{12}N_3O_6Cr$	99.2%

Packing & storage	Keep container tightly closed in a dry and well-ventilated place.
Conclusion	Material complies with USP43 & in house standard