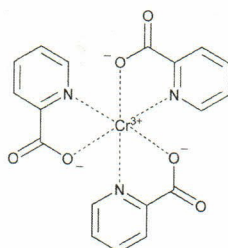


Batch no 20250926
Mf date Sep 26 2025
Retest Sep 25 2028

Molecular Structure



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

Oct 24 2025

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	$\leq 4.0\%$	0.9%
Lead (Pb)	≤ 1 ppm	0.4 ppm
Arsenic (As)	≤ 1 ppm	0.06 ppm
Cadmium (Cd)	≤ 1 ppm	0.1 ppm
Mercury (Hg)	≤ 0.1 ppm	< 0.1 ppm
Chloride (Cl)	$\leq 0.06\%$	Conforms
Sulfate (SO_4)	$\leq 0.2\%$	Conforms
Bulk density	0.5 ~ 0.7 g/mL	0.71 g/mL
Microbiological limit	Total plate count $\leq 1,000$ cfu/gr	20 cfu/gr
	Yeasts & molds ≤ 100 cfu/gr	< 20 cfu/gr
	E. coli Negative	Negative
	Salmonella Negative	Negative
	Staphylococcus Negative	Negative
Particle size	$\geq 100\%$ 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	