

SALES SPECIFICATION

Description: Tartaric Acid

Test Description	Specification	Unit of Measure
VAPOR DENSITY GRADE	5.18 (vs air) puriss	
ASSAY. FORM	99.7-100.5% powder	%
OPTICAL ACTIVITY	[α]20/D +12.0 to +12.8°, c = 20% in H ₂ O	°C
AUTOIGNITION TEMP. QUALITY	797 °F meets analytical specification of Ph. Eur., BP, NF, FCC, E334	°F
TOTAL IMPURITIES	organic volatile impurities, complies (GC) residual solvents, complies ≤0.001% heavy metals (as Pb)	
IGN. RESIDUE LOSS MP	≤0.05% (as SO ₄) ≤0.2% loss on drying, 105 °C 168-170 °C 170-172 °C(lit.)	% ; % ℃
ANION TRACES	chloride (Cl ⁻): \leq 100 mg/kg oxalate (C ₂ O ₄ ²⁻): in accordance oxalate (as oxalic acid): \leq 100 mg/kg sulfate (SO ₄ ²⁻): \leq 100 mg/kg	mg/kg
CATION TRACES	As: ≤2 mg/kg Ca: ≤200 mg/kg Cu: ≤10 mg/kg Hg: ≤1 mg/kg Pb: ≤2 mg/kg Zn: ≤10 mg/kg	mg/kg

Comments: Physical properties are not monitored constantly. Issue of Revision Date: 01-08 -2009 Spec Version Number: 1