



SALES SPECIFICATION

Description: Tartaric Acid

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