



Technical data sheet for natural antimony potassium tartrate 300-300

<b>PRODUCT</b>	L(+) ANTIMONY POTASSIUM TARTRATE, TARTAR EMETIC, CAS n° 11071-15-1(anhydrous), 28300-74-5(hydrated); EINECS n°234-293-3 Dipotassium bis[μ-[tartrato(4-)-O1,O2:O3,O4]]diantimonate(2-), stereoisomer. U.N. 1551
<b>CLASSIFICATION</b>	classification according to reg CE 1272/2008: GHS07, GHS09, Acute Tox.4 H302:Harmful if swallowed. Acute Tox.4 H332:Harmful if inhaled. Aquatic Chronic 2: H411: Toxic to aquatic life with long lasting effects. may cause long term adverse effects in the aquatic environment.
<b>DESCRIPTION</b>	Colourless transparent crystals or white powder, odourless, taste sweetish and metallic, efflorescent.
<b>FORMULA</b>	$C_8H_4K_2O_{12}Sb_2 \cdot 3 H_2O$
<b>MOLECULAR WEIGHT</b>	667,8
<b>COMPOSITION</b>	100% ANTIMONY POTASSIUM TARTRATE
<b>DENSITY</b>	2,6
<b>APPARENT DENSITY</b>	1,3
<b>MELTING POINT</b>	Looses 1 H <sub>2</sub> O at 100 °C.
<b>SOLUBILITY</b>	One gram dissolves in 16 ml water at 25 °C, in 3 ml of boiling water; 15 ml of glycerol; insoluble in alcohol. The aqueous solution is slightly acid : pH 3.7 - 4.5
<b>SPECIFIC ROTATION</b>	$[\alpha]^{20}_D +138 +141$
<b>USE</b>	As mordant in the rayon textile and leather industry, as insecticide for the control of thrips on citrus trees. in plating industries for electrolysis of zinc, in the cement industries as a chrome reducing agent. In all the processes where a soluble compound of Sb(III) is needed
<b>PACKING</b>	25 or 50 Kg steel drums or 25 Kg paper bags with A.D.R. And U.N. approval for sea and road transport – No warranties against caking
<b>TRANSPORT</b>	A.D.R. class 6.1. T5 III - IMCO class 6.1 page 6071 - U.N.1551
<b>STORAGE</b>	Preserve in tight containers in dry, cool place.
<b>ANALYSIS DATA</b>	ASSAY (iodometric) as $C_8H_4K_2O_{12}Sb_2 \cdot 3 H_2O$ : 99.0 - 103.0% LOSS ON DRYING < 2.7 % at 105 °C ACIDITY (as tartaric acid) < 0.4% ARSENIC < 300 ppm LEAD < 300 ppm SIEVE ANALYSIS min 95% passing 100 mesh sieve (0.15 mm).