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CZECH REPUBLIC

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## L (+) - TARTARIC ACID

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Chemical formula <b>C<sub>4</sub>H<sub>6</sub>O<sub>6</sub></b>	rel. mol. weight <b>150,09</b>	CAS Nr.: <b>87-69-4</b>
		EINECS Nr.: <b>201-766-0</b>

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**Quality standard :** **P N D 5 0 - 5 7 3 - 0 4**  
Below mentioned quality parameters comply with BP 2003, USP XXVII, Ph Eur 4 and E 334 standards.

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### Chemical and physical requirements

Quality parameter	Unit	Guaranteed value
Assay	%	99,7 – 100,5
Appearance of solution		passes test
Specific optical rotation (20 % water solution)		+ 12,0 <sup>0</sup> - + 12,8 <sup>0</sup>
Heavy metals (as Pb <sup>2+</sup> )	% max.	0,001
Lead (Pb)	% max.	0,0005
Sulphates (SO <sub>4</sub> )	% max.	0,015
Chlorides (Cl)	% max.	0,01
Oxalic acid (H <sub>2</sub> C <sub>2</sub> O <sub>4</sub> )	% max.	0,01
Calcium (Ca)	% max.	0,02
Sulphated ash	% max.	0,1
Loss on drying	% max.	0,2
Arsenic (As)	% max.	0,0003
Mercury (Hg)	% max.	0,0001

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Characteristics : Colourless crystals or a white or almost white, crystalline powder. Very soluble in water, freely soluble in ethanol (96 %).

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Packing : 25 kg multiwall paper bags with plastic inlay , on pallets 80x120 cm, shrinkwrapped.

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Storage terms : Store in indoor, dry warehouses free of chemical exhalations, in original intact packing. Recommended storage temperature + 5°C through + 30°C, recommended relative air humidity max. 75 %.

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Hazard statements: H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary statements: P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 If eye irritation persists: Get medical advice/attention.

Transport regulations : not classified as dangerous substance according to ADR/RID/GGVs/GGVE/IMDG/IATA/ICAO.