

Sales specification

OXKEM Limited

Since 1978 manufacturer and blender
of speciality pigments and chemicals

Issued by: Michael Head

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L (+) TARTARIC ACID

Synonyms: (Butane dioic acid
2,3-dihydroxy - (2R,3R)-
Dextro rotatory natural form

CAS No: 87-69-4
CEE No: E334
EINECS No: 2017660
Formula: $H_2C_4H_4O_6$
Molecular Weight: 150

Requirements of European Pharmacopoeia 1997 and USP XXIII/NF 18 1995. Food grade standards 96/77/CE

	Specification	Typical
Analysis		
Assay $>99.5 \leq 101\%$	$\geq 99.70 - \leq 100.1\%$	99.85 – 100%
Loss on drying $\leq 0.2\%$	$< 0.1\%$	$< 0.05\%$
Residue on ignition $\leq 0.1\%$	$< 0.1\%$	$\leq 0.01\%$
Specific rotation in a 20% w/w solution (between $+12^\circ$ & $+12.8^\circ$)	$+12^\circ$ & to 12.8°	$+12.5^\circ - +12.8^\circ$
Sulphate ≤ 150 ppm	< 50 ppm	< 20 ppm
Chloride ≤ 100 ppm	< 20 ppm	< 10 ppm
Calcium ≤ 200 ppm	< 50 ppm	< 20 ppm
Heavy metals ≤ 10 ppm	< 5 ppm	< 1 ppm
Oxalate (≤ 350 ppm EUR pH) (negative test USP)	< 50 ppm (conform)	< 30 ppm
Lead < 5 ppm	< 1 ppm	< 0.2 ppm
Mercury < 1 ppm	< 0.2 ppm	< 0.1 ppm
Characteristics	Conform	Conform

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Identification tests	Conform	Conform
Appearance of solution (limpidity/colour)	Conform	Conform

The product complies with the requirement of EUR and USP pharmacopoeia

This product is supplied with various different particle size distributions.

Particle size:

12/30	2000 - 710 microns
30/50	710 - 440 microns
30/80	710 - 250 microns
50/80	440 - 250 microns
80/140	250 - 125 microns
Fine Powder	200 150
Extra fine powder (with anti caking)	71

STORAGE:

Tartaric Acid must be kept in airtight packaging and stored in a dry place, away from humidity and in normal temperature conditions.

It is a stable compound if stored as above.

Use by date is generally one year. The product tends to cake therefore it is not advised to store for too long particularly for the very fine granular sizes.

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