

Technical Datasheet

Article No. 2642

L-(+)-Ascorbic acid puriss., BP, Ph. Eur., USP, E300, FCC10
min. 99.0 % C₆H₈O₆

For laboratory use.

Parameter	Value
Appearance	white, or almost white crystalline powder
Mol.-Weight	176.13 g/mol
Melting point	190 °C
Arsenic (As)	max. 3 ppm
Lead (Pb)	max. 2 ppm
Iron (Fe)	max. 2 ppm
Copper (Cu)	max. 5 ppm
Mercury (Hg)	max. 0.1 ppm
Heavy metals	max. 10 ppm
Impurity C	max. 0.15 %
Impurity D	max. 0.15 %
Impurity E	max. 0.2 %
Unspec. impurities	max. 0.1 %
Total impurities	max. 0.2 %
Loss on drying	max. 0.4 %
Sulfated ash	max. 0.1 %
Methanol	max. 3000 ppm
TAMC	max. 1000 cfu/g
TYMC	max. 100 cfu/g
pH-value (2 %, w/v)	2.4 – 2.8
pH-value (5 %, w/v)	2.1 – 2.6
Appearance of solution	clear solution, colour max. BY ₇
Spec. optical rotation	+20.5° – +21.5°