



Material 20150.184  
 Material description L(+)-Ascorbic acid  
 Grade AnalAR NORMAPUR

Lot 17B014113  
 Expires end of 01/2019  
 CAS Number 50-81-7  
 Molecular formula C6H8O6  
 Molecular mass 176.13

Characteristics	Specifications	Measured values
Assay	99.0 --> 100.5 %	99.1 %
Colour of solution (50 g/l; water)	< BY7	< BY7
Melting point	182 --> 192 °C	184 °C
Specific optical rotation (10 %; water)	20.5 --> 21.5 °	21.1 °
Spec. optical rotation (25°C;10 %;water)	20.5 --> 21.5 °	20.7 °
Heavy metals (as Pb)	Max. 10 ppm	Max. 10 ppm
Ignition residue (SO4)	Max. 0.05 %	Max. 0.05 %
Loss on drying (105°C)	Max. 0.1 %	Max. 0.1 %
Cl (Chloride)	Max. 20 ppm	Max. 20 ppm
SO4 (Sulphate)	Max. 20 ppm	Max. 20 ppm
Ca (Calcium)	Max. 50 ppm	2 ppm
Cu (Copper)	Max. 10 ppm	< 1 ppm
Fe (Iron)	Max. 2 ppm	< 1 ppm
Pb (Lead)	Max. 10 ppm	< 1 ppm

## Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

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