



Material	20150.231
Material description	L(+)-Ascorbic acid
Grade	AnalaR NORMAPUR
Lot	23L134112
Expires end of	2026-Sep-05
CAS Number	50-81-7
Molecular formula	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>
Molecular mass	176.13

Characteristics	Specifications	Measured values
Assay	99.0 - 100.5 %	99.3 %
Colour of solution (50 g/l; water)	< BY <sub>7</sub>	< BY <sub>7</sub>
Melting point	182 - 192 °C	189 °C
Specific optical rotation (10 %; water)	20.5 - 21.5 °	21.0 °
Specif. opt. rot. (25°C; 10 %; water)	20.5 - 21.5 °	21.0 °
Heavy metals (as Pb)	≤ 10 ppm	≤ 10 ppm
Ignition residue (SO <sub>4</sub> )	≤ 0.05 %	0.01 %
Loss on drying (105°C)	≤ 0.1 %	< 0.1 %
Cl (Chloride)	≤ 20 ppm	≤ 20 ppm
SO <sub>4</sub> (Sulphate)	≤ 20 ppm	≤ 20 ppm
Ca (Calcium)	≤ 50 ppm	≤ 50 ppm
Cu (Copper)	≤ 10 ppm	≤ 10 ppm
Fe (Iron)	≤ 2 ppm	≤ 2 ppm
Pb (Lead)	≤ 10 ppm	≤ 10 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.

Jessie Pijck, Head of Laboratory - Haasrode  
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