

CERTIFICATE OF ANALYSIS

Product : **L-ASCORBIC ACID**
 Product number : A0602
 Batch number : 010892
 Date of production : 16-06-2013
 Date of analysis : 19-06-2013
 Date of expiry : 30-06-2018

Storage conditions : in a well-closed, non-metal container, protected from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	(almost) white crystalline powder or colourless crystals	complies		
Identification	conform	complies		
pH (5%, W/V)	2.2 – 2.5	2.4		5% in H ₂ O
Melting point	191 – 192	191	°C	with decomposition
Appearance of solution	clear and colour ≤ ref. sol. BY ₇	complies		5% in H ₂ O
Specific optical rotation	+20.5 – +21.5	+20.9	°	10% in H ₂ O
Oxalic acid	≤ 0.2	< 0.2	%	
Copper	≤ 3	< 3	ppm	
Iron	≤ 2	< 2	ppm	
Lead	≤ 0.0002	< 0.0002	ppm	
Heavy metals	≤ 0.0003	< 0.0003	%	
Arsenic	≤ 0.0002	< 0.0002	%	
Mercury	≤ 1	< 1	ppm	
Loss on drying	≤ 0.1	< 0.1	%	
Sulphated ash	≤ 0.1	< 0.1	%	
Residual solvents	conform	complies		
Assay	99.0 – 100.5	99.9	%	

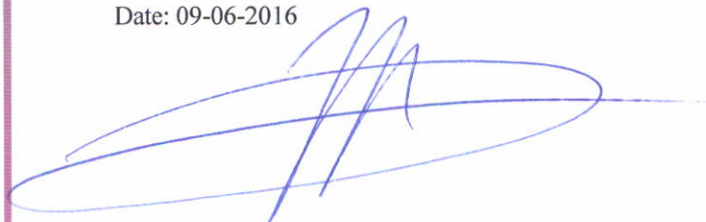
This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 09-06-2016



The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.