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Number **22-004813**Issue date **25.02.2022**Publication **1**

Quality department

## Certificate of Quality


**Product name** ASCORBIC ACID E300  
**Formula**  $C_6H_8O_6$   
**Type** For food industry  
**Delivery Lot** 22-004813  
**Batch number(s)** 1211120717;  
**Net weight**  
**Packaging**  
**Certificate used for**

No.	Parameters	Unit	Guaranteed parameters	Results 1211120717
1.	Appearance	.	white or almost white, crystalline powder or colorless crystals	conforms
2.	Identification	.	soluble in water, insoluble in ethanol	conforms
3.	Solubility	.	soluble in water, slightly soluble in ethanol, insoluble in chloroform	conforms
4.	Melting point	°C	about 190	190
5.	Assay	%	99,0 - 100,5	99,7
6.	Specific rotation	°	+20,5 ~ +21,5	+21,1
7.	pH of 5% solution	.	2,1 - 2,6	2,3
8.	pH 2% solution	.	2,4 - 2,8	conforms
9.	Loss on drying	max %	0,1	conforms
10.	Residue on ignition	max %	0,1	<0,1
11.	Clarity of solution	.	clear	conforms
12.	Colour of solution	max .	BY7	< BY7
13.	Impurities	max %	0,2	<0,2
14.	Impurities C	max %	0,15	<0,15
15.	Impurities D	max %	0,15	<0,15
16.	Other impurities	max %	0,1	<0,1
17.	Total impurities	max %	0,2	<0,2
18.	Heavy metals	max mg/kg	10	<10
19.	Cu	max mg/kg	5	<5
20.	Fe	max mg/kg	2	<2
21.	Cd	max mg/kg	1	<1
22.	Hg	max mg/kg	1	<1
23.	Pb	max mg/kg	1	<1
24.	As	max mg/kg	1	<1
25.	Total plate count	max cfu/g	1000	<1000
26.	Yeast & Moulds	max cfu/g	100	<100
27.	E.Coli in 1g	.	absent	absent
28.	Salmonella in 25g	.	absent	absent
29.	Staphylococcus aureus w 25g	.	absent	absent
30.	Solvents residues	.	in conformity with a standard	conforms
31.	Norm	.	BP/USP/FCC/EP	BP/USP/FCC/EP
32.	EU Number	.	E300	E300

Certificate is issued according to producer / supplier quality certificate 5.

Production date: 13.11.2021

Best before end: 12.11.2024

Prepared by	Confirmed
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