



Przedsiębiorstwo Przemysłowo-Handlowe „STANDARD” sp. z o.o.

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Number 19-026862

Issue date 12.11.2019

Publication 1

Quality department

Certificate of Quality

Product name

L-ASCORBIC ACID E300

Formula

C₆H₈O₆

Type

For food industry

Delivery Lot

19-026862

Batch number(s)

1190820718; 1190820719; 1190820720;

Net weight

Packaging

Certificate used for

No.	Parameters	Unit	Guaranteed parameters	Results		
				1190820718	1190820719	1190820720
1.	Appearance	.	white or almost white, crystalline powder or colorless crystals	conforms	conforms	conforms
2.	Identification	.	soluble in water, insoluble in ethanol	conforms	conforms	conforms
3.	Solubility	.	soluble in water, slightly soluble in ethanol, insoluble in chloroform	conforms	conforms	conforms
4.	Melting point	°C	about 190	190	190	190
5.	Assay	%	99,0 - 100,5	99,7	99,8	99,7
6.	Specific rotation	°	+20,5 ~ +21,5	+21,0	+21,1	+21,0
7.	pH of 5% solution	.	2,1 - 2,6	2,3	2,3	2,3
8.	pH 2% solution	.	2,4 - 2,8	conforms	conforms	conforms
9.	Loss on drying	max %	0,1	conforms	conforms	conforms
10.	Residue on ignition	max %	0,1	<0,1	<0,1	<0,1
11.	Clarity of solution	.	clear	conforms	conforms	conforms
12.	Colour of solution	max .	BY7	< BY7	< BY7	< BY7
13.	Impurities	max %	0,3	<0,3	<0,3	<0,3
14.	Impurities C	max %	0,15	<0,15	<0,15	<0,15
15.	Impurities D	max %	0,15	<0,15	<0,15	<0,15
16.	Other impurities	max %	0,1	<0,1	<0,1	<0,1
17.	Total impurities	max %	0,2	<0,2	<0,2	<0,2
18.	Heavy metals	max ppm	10	<10	<10	<10
19.	Cu	max ppm	5	<5	<5	<5
20.	Fe	max ppm	2	<2	<2	<2
21.	Cd	max ppm	1	<1	<1	<1
22.	Hg	max ppm	1	<1	<1	<1
23.	Pb	max ppm	1	<1	<1	<1
24.	As	max ppm	1	<1	<1	<1
25.	Total plate count	max cfu/g	1000	<1000	<1000	<1000
26.	Yeast & Moulds	max cfu/g	100	<100	<100	<100
27.	E.Coli in 1g	.	absent	absent	absent	absent
28.	Salmonella in 25g	.	absent	absent	absent	absent
29.	Staphylococcus aureus w 25g	.	absent	absent	absent	absent
30.	Solvents residues	.	in conformity with a standard	conforms	conforms	conforms
31.	Norm	.	BP/USP/FCC/EP	BP/USP/FCC/EP	BP/USP/FCC/EP	BP/USP/FCC/EP
32.	Numer wg oznaczeń UE	.	E300	E300	E300	E300

Certificate is issued according to producer / supplier quality certificate 4.

Production date: 08.2019

Best before end: 08.2022

Prepared by

Confirmed

Kierownik Działu