Todo Droga

DSM

VC Ascorbic Acid regular, 25KG BAL

CERTIFICATE OF ANALYSIS

Productcode	: 5015838368	Batch Size	: 15,000KG
Lot No.	: HPB2105204	Manufacturing Date	: 20.5.2021
Analysis No.	: 75726432	Best use before	: 19.5.2024
Report Date	: 24.5.2021		

Test	Result	Limits/Specification	Dimension/Units
*Appearance	Correspond	White or almost white, crystal or crystalline powder	
Solubility	Correspond	Freely soluble in water, slightly soluble in ethanol, insoluble in ether or chloroform	
Identification A	Positive	Positive	
Identification B	Correspond	IR	
*Melting Point	191	190 - 192	°C
*Specific Optical Rotation	21.0	20.5 - 21.5	°
*Clarity and Color of Solution	Correspond	Clear, not more intensely than BY7	
*pH(2%, W/V)	2.5	2.4 - 2.8	
*pH(5%, W/V)	2.3	2.2 - 2.5	
Loss on Drying	< 0.1	<= 0.1	%
Residue on Ignition	< 0.1	<= 0.1	%
Arsenic(as As)	< 1.0	<= 1.0	ppm
Heavy Metals (as Pb)	Correspond	<=0.0003%	
Lead	< 0.5	<= 0.5	ppm
Mercury	< 0.5	<= 0.5	ppm
Iron	< 2	<= 2	ppm
Copper	< 3	<= 3	ppm
Oxalic Acid	Correspond	<=0.2%	
Residual Solvents(as methanol)	< 250	<= 250	ppm
*Assay	99.9	99.0 - 100.5	%
Total Plate Counts	< 1000	<= 1000	CFU/g
Yeasts & Moulds	< 100	<= 100	CFU/g
Escherichia.Coli	Correspond	Absence in 1g	
Salmonella	Correspond	Absence in 25g	
Staphylococcus Aureus	Correspond	Absence in 25g	
Impurity C	< 0.15	<= 0.15	%
Impurity D	< 0.15	<= 0.15	%
Unspecified Impurities	< 0.10	<= 0.10	%
Total Impurities other than C & D	< 0.2	<= 0.2	%
Cadmium	< 0.5	<= 0.5	ppm
*Odor	Correspond	Odorless	

Conclusion: The product with this batch number meets all requirements when tested according to the monograph of USP/FCC/BP/EP/E300 in current version.

Test items marked with * are based on routine batch analysis. Others are tested at regular intervals.

This is an electronic COA. The data from batch analysis are in accord with the actual test data, which are true, correct and controlled. The data from periodic analysis are controlled at regular intervals as part of our assurance program.

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Lot No.	:	**HPB2105204**	**Manufacturing Date**	:	**20.5.2021**
Analysis No.	:	**75726432**	**Best use before**	:	**19.5.2024**
Report Date	:	**24.5.2021**			

QC Manager

Nie Xiaoming (Daniel Nie)

Quality Manager

Ge Liang