

# VC Ascorbic Acid regular, 25KG BAL



## COVERSHEET FOR CERTIFICATE OF ANALYSIS

Productcode : 5015838  
Lot No. : HPB2110087  
Analysis No. : 75739921

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CfC Number : 04636699  
Articlecode : 5015838368  
Sales Name : VC Ascorbic Acid regular, 25KG BAL  
Manufacturing Date : 11.10.2021  
Best Use Before Date : 10.10.2024  
Invoice Number : 2831279016  
Destination : MANILA NORTH HA  
Customer Ref. No : 7190082889  
Customer Article No:  
Customer Name: DKSH Philippines Inc  
Fort Bonifacio,  
Taguig City

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# VC Ascorbic Acid regular, 25KG BAL

## CERTIFICATE OF ANALYSIS

Productcode	: 5015838368	Batch Size	: 15,000KG
Lot No.	: HPB2110087	Manufacturing Date	: 11.10.2021
Analysis No.	: 75739921	Best use before	: 10.10.2024
Report Date	: 22.10.2021		

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	20.8	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	99.8	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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QC Manager

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Quality Manager

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