

Specification

VITAMIN C POWDER 25KG x4

Test	Specification
Chemical formula	$C_6H_8O_6$
Molecular mass	176.1g/mol
Appearance	White or almost white, crystalline powder or colourless crystals, becoming discoloured on exposure to air and moisture
Solubility	Freely soluble in water, sparingly soluble in ethanol (96%)
Content	99.0 – 100.5%
Identification	Pass test for identification First identification: B, C Second identification: A, C, D
Specific optical rotation $[(\alpha)^{20}_D (c=10 \text{ in } H_2O)]$	+20.5 to + 21.5
Impurity E	0.2% max
Heavy metals (as Pb)	10ppm max
Copper (as Cu)	5ppm max
Iron (Fe)	2ppm max
Sulphated Ash	0.1% max
OBP's approval criteria	
Grade	Pharmaceutical
Expiry/Retest date	1 year minimum
Packaging	25kg air tight plastic containers
Labeling	Batch/Lot no and expiry date must be clearly visible on the container
Required documentation	Batch specific certificate of analysis and Material safety data sheet