



Todo Droga

Química Mayorista

CERTIFICATE OF ANALYSIS ASCORBIC ACID (100 MESH) (USP38/FCC9/EP8.0/E300)

BATCH No.	B201510115	QUANTITY	6000kg
MANUFACTURE DATE	2015.10.09	BEST USE BEFORE	2018.10.08
Test Items	Test Parameters	Test Results	
APPEARANCE	WHITE OR ALMOST WHITE, CRYSTAL OR CRYSTALLINE POWDER	WHITE CRYSTALLINE POWDER	
MELTING POINT	190 °C ~ 192 °C	191 °C	
pH(5%, W/V)	2.2 ~ 2.5	2.3	
pH(2%, W/V)	2.4 ~ 2.8	2.5	
SPECIFIC OPTICAL ROTATION	+20.5° ~ +21.5°	+21.0°	
CLARITY AND COLOR OF SOLUTION	CLEAR, NOT MORE INTENSELY THAN BY7	CLEAR, NOT MORE INTENSELY THAN BY7	
ASSAY(as C ₆ H ₈ O ₆) (ON AS-IS BASIS)	99.0% ~ 100.5%	99.9%	
PARTICLE SIZE:			
THROUGH US 100 MESH	MIN 95%	98.2%	
The above items are based on routine batch analysis.			
IDENTIFICATION	POSITIVE	POSITIVE	
HEAVY METALS	≤ 0.0003%	< 0.0003%	
COPPER(ppm)	≤ 3	< 3	
IRON(ppm)	≤ 2	< 2	
MERCURY(ppm)	≤ 1	< 1	
ARSENIC	≤ 0.0002%	< 0.0002%	
LEAD	≤ 0.0002%	< 0.0002%	
OXALIC ACID (IMPURITY E)	≤ 0.2%	< 0.2%	
LOSS ON DRYING	≤ 0.1%	< 0.1%	
SULPHATED ASH	≤ 0.1%	< 0.1%	
RELATED SUBSTANCES	IMPURITY C ≤ 0.15% IMPURITY D ≤ 0.15% UNSPECIFIED IMPURITIES ≤ 0.10% TOTAL IMPURITIES OTHER THAN C & D ≤ 0.2%	< 0.15% < 0.15% < 0.10% < 0.2%	
RESIDUAL SOLVENTS(as METHANOL) (ppm)	≤ 3000	< 3000	
TOTAL PLATE COUNTS (cfu/g)	≤ 1000	< 1000	
YEASTS & MOULDS(cfu/g)	≤ 100	< 100	
ESCHERICHIA.COLI	ABSENCE IN 1g	ABSENCE IN 1g	
SALMONELLA	ABSENCE IN 25g	ABSENCE IN 25g	
STAPHYLOCOCCUS AUREUS	ABSENCE IN 25g	ABSENCE IN 25g	
The above items are based on periodic analysis.			
CONCLUSION	THE PRODUCT WITH THIS BATCH NUMBER MEETS ALL REQUIREMENTS WHEN TESTED ACCORDING TO THE MONOGRAPH OF USP38/ FCC9/EP8.0/E300		