

Certificate of Analysis

SUPPLIER:	JK BIO-CHEM CO.,LTD		
PRODUCT:	ASCORBIC ACID BP2011/USP36/FCC VIII/E300		
BATCH NO.:	201402156	DATE:	FEB, 2014
QUANTITY:	3000KGS	MANUFACTURING DATE:	FEB, 2014
		EXPIRY DATE:	JAN, 2017

ITEM	STANDARD	RESULTS
CHARACTERISTICS	WHITE OR ALMOST WHITE CRYSTALS CRYSTALLINE POWDER	PASS
IDENTIFICATION	POSITIVE REACTION	POSITIVE
MELTING POINT	ABOUT 190°C	190.1°C
PH	2.1-2.6	2.42
CLARITY OF SOLUTION	CLEAR	CLEAR
COLOUR OF SOLUTION	≤BY ₇	<BY ₇
LOSS ON DRYING	≤0.15%	0.12%
COPPER SALT	≤5PPM	<5PPM
HEAVY METALS	≤10PPM	<10PPM
IRON	≤2PPM	<2PPM
MERCURY	≤1PPM	<1PPM
LEAD	≤2PPM	<2PPM
ARSENIC	≤3PPM	<3PPM
OXALIC ACID	≤0.2%	<0.2%
SULPHATE ASH(RESIDUE ON IGNITION)	≤0.1%	<0.05%
SPECIFIC OPTICAL ROTATION	+20.5 °—+21.5 °	+20.85 °
ORGANIC VOLATILE IMPURITIES	PASS	PASS
ASSAY	99.0%-100.5%	99.91%
OXALATE	≤0.2%	<0.2%
FERRITE	≤2PPM	<2PPM

FINAL RESULT: THIS BATCH IS CONFORMING TO THE STANDARD

INSPECTOR: 吴彬

QUALITY CONTROL SECTION: 王晓红

JK BIO-CHEM CO., LTD

ADD: Room 2-15018, Tiandu Mansion, No.649 Chezhan North Road, Changsha,
Hunan 410003 China.

Tel: 86-731-87960709 Fax: 86-731-88689665

Web: www.jk-ingredients.com