

Certificate of Analysis

SUPPLIER:	JK BIO-CHEM CO.,LTD		
PRODUCT:	ASPARTAME FCCIV		
BATCH NO.:	1310079	DATE:	OCT 21, 2013
QUANTITY:	600KGS	MANUFACTURING DATE:	OCT 21, 2013
		EXPIRY DATE:	OCT 20, 2015

ITEM	STANDARD	RESULTS
Appearance	White Granular or Powder	White Powder
Assay	98.0 ~ 102.0%	99.95%
Specific Rotation (α) _D ²⁰	+14.5 °~ +16.5 °	+15.93 °
Transmittance	≥95%	99.6%
Loss on drying	≤4.5%	3.08%
Residue on ignition	≤0.2%	0.08%
pH	4.5~6.0	5.36
Heavy metals	≤10PPM	<10PPM
Arsenic	≤3PPM	<3ppm
Lead	≤1PPM	<1ppm
Other related substances	≤2.0%	<2.0%
5-benzyl-3,6-dioxo-2-piperazineacetic acid	≤1.5%	<1.5%
L-a-aspartyl L-phenylalanine	≤0.25%	0.1%
L-phenylalanine	≤0.5%	0.07%
Total aerobic count	≤100CFU/g	<100CFU/g
Moulds and yeasts	≤250CFU/g	<250CFU/g
E.Coli	Negative	Negative
Salmonella S.D.	Negative	Negative

FINAL RESULT: THIS BATCH IS CONFORMING TO THE STANDARD OF FCCIV

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