

**CERTIFICATE OF ANALYSIS**

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COMMODITY : ASPARTAME (GRANULAR 20-60MESH)  
 QUANTITY : 1,000KGS  
 PACKING : 25KG/CTN  
 BATCH NO. : W16031908  
 MANUFACTURE DATE : MAR.19, 2016  
 EXPIRY DATE : MAR.18, 2019

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CONTENTS	SPECIFICATION	RESULTS
Appearance	White crystalline granular	Conforms
Taste	Pure	Conforms
Assay(On dry basis)	98.0% ~ 102.0%	99.1%
Specific Rotation	+14.5° ~ +16.5°	+15.12°
Transmittance	95%min	99.5%
Loss on Drying	4.5%max	2.57%
Heavy Metals(as Pb)	0.001%max	<0.001
Ph value	4.5-6.0	5.23
Arsenic(as As)	0.0003%max	<0.0003%
Organic volatile impurities	Meets requirements	Conforms
5-Benzyl-3,6-dioxo-2-		
Piperazi neacetic Acid	1.5%max	0.08%
Other related substances	1.5%max	0.70%
Phenylalanine	0.5%max	<0.5%
Lead	0.0001%max	<1mg/kg
Sulphated ash	0.2%max	0.14%
Total aerobic count	100 cfu/g max	<100cfu/g
Yeast and mold	100cfu/g max	<100cfu/g
E. coli	Negative	Negative
Salmonella s.d.	Negative	Negative
Meshes	20-60meshes	Conforms

Conclusion: Complies with USP36/NF31/FCCVIII/EP7/E951 Standard

For and on behalf of  
 HUGESTONE ENTERPRISE CO., LIMITED

  
 Authorized Signatures