



Name of Material	:	Aspartame [E 951]
Manufacturer	:	NA
Supplier	:	NA
Country of Origin	:	NA
Batch/Lot No.	:	NA
MFG Date	:	NA
EXP Date	:	NA
Challan No.	:	NA
QA Ref. No.	:	NA
QRN Ref. No.	:	NA
Qty. Supplied	:	NA
Date of Received	:	NA
Date of Testing	:	NA
Date of Reporting	:	NA

SN	Description	Specification	Results
01	Description	White, odorless crystalline powder having a sweet taste	
02	Solubility	Sparsingly soluble in water. Slightly soluble in alcohol.	
03	Identification	Conform USNF	
04	p ^H (0.8% w/v sol ⁿ)	4.5 ~ 6.0	
05	Loss on drying	Not more than 4.5 %	
06	Specific optical rotation	+ 14.5° ~ + 16.5°	
07	Melting Point	246°C ~ 247°C	
08	Assay	98.0 % – 102.0 % (on dried basis)	
09	Defects Free	Free from dust. Free from foreign matter. Free from abnormal color and flavor.	

Remarks	
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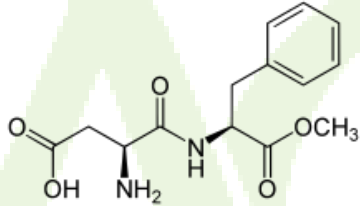
Decision		Accepted		Rejected
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Tested By

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Checked By

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Approved By

Other Related Information

Name of Material	Aspartame [E 951]
Others Name	Aspartame Methyl L- α -aspartyl-L-phenylalaninate. N-(L- α -aspartyl)-l-phenylalanine, 1-methyle-ester. Trade Name: Nutra Sweet, Equal, Canderel.
Chemical Composition	C ₁₄ H ₁₈ N ₂ O ₅ 
Molar Mass	294.307 gm/mol
Density	1.347 gm/cm ³
Melting Point	246 – 247 C
Boiling Point	Decomposes
Others Information	<ul style="list-style-type: none"> - Aspartame is an artificial sweetener. 200 times greater than sugar. - Methyl Ester of Aspartic Acid or Phenylalanine Di Peptide. - FDA provides approval on 1981. - Using aspartame in place of sugar reduces calorie intake & reduces body weight in children and adults. - Aspartame also used in pharmaceuticals product, often as sugar replacement in tablets, chewable tablets, sugar free tablets, sugar free liquids etc.
Function in Food Process	<ul style="list-style-type: none"> - Used as a sugar substitute in food products. - 01 Kg Aspartame = 200 Kg Sugar. - Used as food additives for sweetening variety of foods and beverages such as Drinks, Sweets, Desserts, Yoghurt, Low Calorie Product, Weight Control Product. - It can also be used as Table-Top-Sweetener.