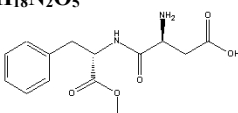


SPECIFICATIONS

Aspartame is an odorless, low-calorie intensive sweetener. It is chemically pure and contains no additives, preservatives, or colors. Aspartame is GMO free and BSE free. It is widely used in products like table-top sweeteners, carbonated beverages, jams, instant coffee, frozen milk products, chewing gums and salad dressings. Aspartame is available in different grades, such as powder, granules, troche and liquid.

Physical and Chemical Tests

| Product Grade | | Aspartame (Regular Powder) | |
|--|--|-----------------------------------|------------------------------|
| Structure | $C_{14}H_{18}N_2O_5$  | CAS No | 22839-47-0 |
| | | Quantity | --- |
| | | Source of Product | From the package in workshop |
| Inspection Standard | | FCC XII/USP43/E951 | |
| Item | | Criteria | |
| Appearance | | White crystalline Powder | |
| Aroma | | Free from off odor | |
| Flavor | | Sweet, free from off flavor | |
| Assay (Titrimetric) | | 98.0% to 102.0% (dried basis) w/w | |
| Specific Rotation $[\alpha]_D^{20}$ | | +14.5° to +16.5° | |
| Loss on Drying | | ≤4.5% | |
| Residue on Ignition (Sulphated Ash) | | ≤0.2% | |
| Diketopiperazine(DKP) (5-Benzy1-3, 6-Dioxo-2-Piperazineacetic Acid) | | ≤1.5% w/w | |
| Other Related Substances | | ≤2.0% w/w | |
| Transmittance | | ≥95.0% | |
| L-phenylalanine | | ≤0.5% | |
| Heavy Metals(as Pb) | | ≤10 mg/kg | |
| Lead | | ≤1 mg/kg | |
| Arsenic | | ≤3 mg/kg | |
| Total Aerobic Bacteria | | ≤250 cfu/gram | |
| Mold/Yeast | | ≤100 cfu/gram | |
| Salmonella | | Negative | |
| E.coli | | Negative | |
| pH | | 4.5 to 6.0 units | |
| Particle Size(Typical Values) | | 80% Through 100 mesh | |
| Packaging/Shipping | 25 kg net weight super sack with inner liner ; Custom packaging is available upon request ; Transportation: Non-hazardous. | | |
| Storage | Store under dry and cool condition, and keep product air-tight. | | |
| Shelf-life | 5 years. | | |

Date: Jan.04, 2023

