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Certificate Of Analysis

| Product Name: Quercetin Anhydrous Botanical source : Sophorae Japonica Report Date: July 11, 2012 Expiry Date: July 05, 2014 Kosher: Kof-K ID:K-0000657 | | Batch No.: 1207230 Part of plant used : Flower Manufacture Date: July 06, 2012 Batch Quantity: 1000kg CAS #: 117-39-5 | |
|--|---|--|-------------------------|
| TEST | SPECIFICATION 5 | RESULTS | Test Method |
| Appearance | Yellow powder | Complies | Visual |
| Identification | Must positive | Positive | Infrared Absorption |
| Melting point | 305°C—315°C | 311°C | Melting point Apparatus |
| Particle size | 95% pass through Sieve # 80 mesh | Complies | US Screen |
| Reducing sugars | Not be detected | Not detected | Chemical reaction |
| Sulfate | ≤1000ppm | <1000ppm | AJ192 |
| Chloride | ≤1000ppm | <1000ppm | AJ192 |
| Bulk density | ≥0.20gm/cc | 0.23gm/cc | CP2010 |
| Tapped Density | ≥0.30gm/cc | 0.35gm/cc | CP2010 |
| Heavy metals | ≤10ppm | <10ppm | Visual Colorimetry |
| -Arsenic | ≤1ppm | <1ppm | AAS |
| -Mercury | ≤0.1ppm | <0.1ppm | AAS |
| -Cadmium | ≤1ppm | <1ppm | AAS |
| -Lead | ≤3ppm | <3ppm | AAS |
| Ash | ≤0.30% | 0.19% | CP2010 |
| Loss on drying | ≤4.00% | 3.35% | 120°C |
| Assay by HPLC | ≥95.0% | 95.27% | HPLC |
| Microbiological test: | | | |
| Total plate count | ≤1000cfu/g | 100 cfu/g | AOAC966.23 |
| Mildew & Yeast | ≤100cfu/g | 20 cfu/g | FDABAM8 th |
| E.Coli | Negative | Negative | FDABAM8 th |
| Salmonella | Negative | Negative | FDABAM8 th |
| Coliforms | ≤10cfu/g | <10cfu/g | AOAC911.14 |
| Residual Solvent | Meets the requirements of USP. | | |
| Pesticide Screen | Meets the Requirements of USP. | | |
| GMO/BSE Status | Not genetically modified organism. Free of BSE. | | |
| Storage | Store in tight containers, in a cool dry area. | | |