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| Product Data Sheet | | |
|--|--|-------------------|
| Product name: Diosmin granulated | | AC Code: AC03066a |
| 1. Technical Data Sheet | | |
| CAS number | 520-27-4 | |
| Compliance (Food/ Pharmacopoeia /FCC/Feed) | Food/Pharmacopoeia (EP10.0) | |
| Source (animal, plant, mineral, petrochemical) | Plant | |
| Item | Standard | Analysis Method |
| Appearance | Greyish-yellow or Light yellow hygroscopic granule | Visual |
| Typical Analysis | | |
| Identification | Must positive | HPLC |
| Solubility | Practically insoluble in water, soluble in dimethyl sulphoxide, practically insoluble in alcohol. It dissolves in dilute solutions of alkali hydroxides. | Visual |
| Iodine | ≤0.1% | EP10.0 |
| Related substances (Impurity By HPLC) | | |
| A: acetoisovanillone | ≤0.5 % | HPLC |
| B: hesperidin | ≤4.0 % | HPLC |
| C: isorhoifolin | ≤3.0 % | HPLC |
| D:6-iododiosmin | ≤0.6% | HPLC |
| E: linarin | ≤3.0 % | HPLC |
| F: diosmetin | ≤2.0 % | HPLC |
| Unspecified impurities | ≤0.4% | HPLC |
| Total impurities | ≤8.5 % | HPLC |
| Residual solvent -Solvent A | ≤ 300ppm | EP10.0 |
| Sulfated ash | ≤0.2% | EP10.0 |
| Water | ≤ 6.0% | Karl Fischer |
| Particle size | ≥ 80% pass through 24 mesh | CP2020 |
| Assay by HPLC | 90.0% – 102.0% | HPLC |
| Microorganism | | |
| Total Plate Count | ≤ 1000cfu/g | EP10.0 |
| Yeast and Mold | ≤ 100cfu/g | EP10.0 |
| Escherichia Coli | Negative/10g | EP10.0 |
| Salmonella | Negative /25g | EP10.0 |
| Package | Packed In 25kgs/Drum | |
| Shelf life | 3 Year When Properly Stored | |
| Storage | In Tight, Light-resistant and Dry Place. Avoid Direct Sunshine. | |