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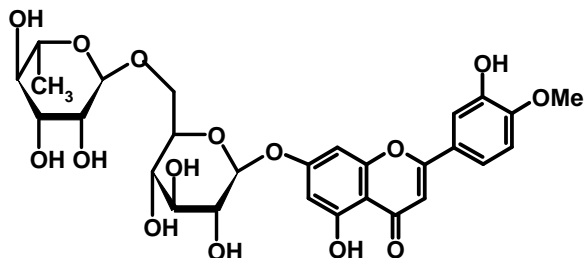
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Product Specifications

Diosmin

CAS 520-27-4

Structure:



Mol. Formula
Source

$C_{28}H_{32}O_{15}$
Citrus sinensis

Mol. Wt.

608.55

Grade

EP-5

| <i>Test</i> | <i>Specification</i> |
|---|---|
| Identity | IR (EP 2.2.24); HPLC |
| Appearance | Gray-yellow or off-yellow hygroscopic powder |
| Moisture (EP-2.5.12) | ≤ 6% |
| Mp | 272-283 °C |
| Assay (hplc), anhydrous substance (EP 2.2.29) | 90 - 93% |
| Iodine (2.2.36) & (2.5.10) | ≤ 0.1% |
| Sulphated Ash (EP-2.4.14) | ≤ 0.2% |
| Related substances (hplc) (EP 2.2.29) | |
| Impurity A: Acetoisovanillone | ≤ 1.0% |
| Impurity B: Hesperidus | ≤ 3.0% |
| Impurity C: Isohoifolin | ≤ 3.0% |
| Impurity E: Linarine | ≤ 3.0% |
| Impurity F: Diosmetine | ≤ 3.0% |
| Others impurities: | ≤ 1.0% |
| Others impurities + impurity A | ≤ 1.0% |
| Total impurities | ≤ 10.0% |
| Heavy metals (EP 2.4.8) | ≤ 10 ppm |

- cont'd -

- cont'd -

| <i>Test</i> | <i>Specification</i> |
|---|----------------------|
| Residual Solvents (EP 2.4.24) | |
| Methanol | ≤ 3000 ppm |
| Pyridine | ≤ 200 ppm |
| Ethanol | ≤ 0.5% |
| <u>Microbiological Specification</u> (EP 2.6.12) & (EP 2.6.13) | |
| Total bacterial | < 1000 cfu/g |
| <i>Salmonella</i> | Negative |
| <i>Escherichia coli</i> | Negative |
| <i>Staphylococcus aureus</i> | Negative |
| <i>Pseudomonas aeruginosa</i> | Negative |
| Coli forms | Negative |
| Yeasts and Molds | < 100 cfu/g |

Storage: Maintain in cool, dry cool containment.