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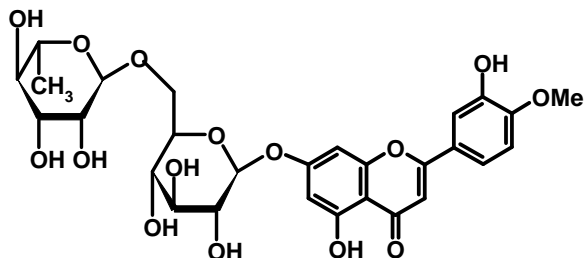
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Product Specifications

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

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<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.