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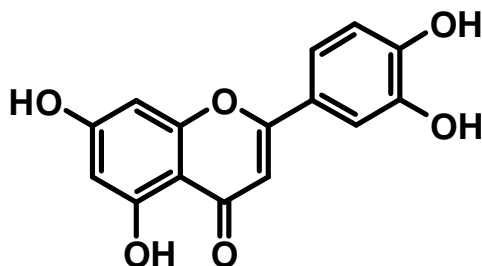
## Product Specifications

### Luteolin

**CAS** 491-70-3

**Syn:** 2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4H-1-benzopyran-4-one;  
3',4',5,7-Tetrahydroxyflavone; Digitoflavone; Cyanidenon

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>15</sub>H<sub>10</sub>O<sub>6</sub>**  
*Pericarpium Citri Reticulatae*, fruit peel

**Mol. Wt.**

286.24

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### *Test*

### *Specification*

<b>Appearance</b>	Yellow, microcrystalline solid
<b>Color</b>	< 6 on Gardner Index [0.3% in EtOH]
<b>Mp</b>	328-330 °C ( <i>dec</i> ) [98%]
<b>Assay</b> (hplc)	> 90%; > 98%
<b>LOD</b>	< 5%
<b>Ash</b> (residue on ignition)	< 1%
<b>Insolubles</b>	Conforms to UV-VIS standard
<b>Heavy metals</b>	< 10 ppm

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- cont'd -

<i>Test</i>	<i>Specification</i>
<b>Residual Solvents</b>	≤ 0.1% Ethanol
<b>Pesticide Residue</b>	None detected
<b>Preservatives (antioxidants, etc.)</b>	None
<b>Shelf-life</b>	18 months when stored at 2-8 °C
<b><u>Microbiological Specification</u></b>	
Total Aerobic (USP25)	<100 CFU/g
<i>E. Coli</i>	negative
<i>Salmonella</i>	negative
<i>Staphylococcus aureus</i>	negative
<i>Aspergillus species</i>	negative
<i>Listeria</i>	negative
<i>Pseudomonas</i>	negative
Mold and Yeast (USP25)	<100 CFU/g

**Storage:** Maintain in cool, dry cool containment.