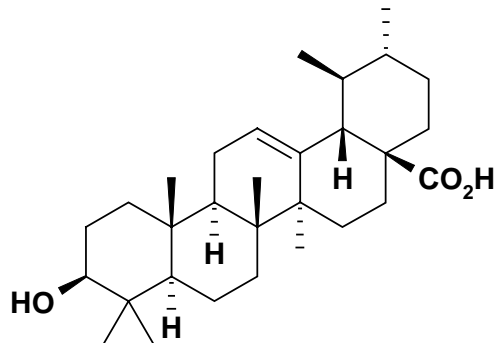


## Product Specifications

**Product Name**                      **Ursolic Acid**

**CAS No.**                              77-52-1

**Structure Formula**



**Mol. Formula**                      **C<sub>30</sub>H<sub>48</sub>O<sub>3</sub>**

**Mol. Weight**                        456.7

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<i>Test</i>	<i>Specification</i>
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<b>Source</b>	Isolated from <i>Ligustrum lucidum</i> fruit
<b>Identity</b>	Infrared, H-NMR
<b>Appearance</b>	White to off-white microcrystalline solid
<b>Mp</b>	285 – 288 °C (99%)
<b>Assay (hplc)</b>	> 95%
<b>Specific Rot., [α]<sub>D</sub><sup>20</sup></b>	+ 67.5 ° (99%; c = 1, 1N KOH/EtOH )
<b>LOD</b>	≤ 3% max
<b>Heavy Metals (As)</b>	< 10 ppm < 5 ppm
<b>Residue on Ignition</b>	< 1 %
<b>Solubility</b>	Insoluble in water; soluble in ethanol) (no deposition after dissolution)

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*cont'd*

## *Product Specifications* (cont'd)

### *Microbiological Assay*

<i>Test</i>	<i>Specification</i>
<b>Total Aerobic Plate Count</b>	<100 organisms/g
Includes:	
<i>E. coli</i> ,	negative
<i>Salmonella</i>	negative
<i>Staphylococcus aureus</i>	negative
<i>Aspergillus</i> species	negative
<i>Listeria</i>	negative
<i>Pseudomonas</i>	negative
<b>Total Mold/Yeast</b>	<100 cfu/g