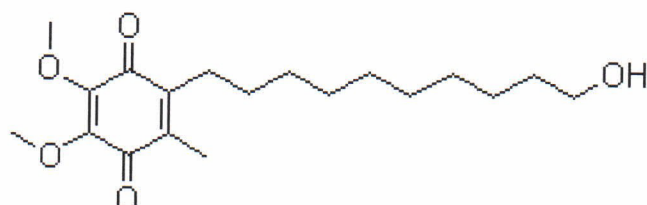


Idebenone

Batch no C07-20240301
 Mf date Mar 03 2024
 Retest Mar 02 2027

Molecular Structure



Molecular Formula $C_{19}H_{30}O_5$
 Molecular Weight 338.44
 CAS Registry Number 58186-27-9

May 08 2024

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	An orange yellow or orange crystalline powder	Orange yellow crystalline powder
Solubility	Insoluble in water, very soluble in methanol, in chloroform, freely soluble in anhydrous, alcohol and in ethyl acetate	Conforms
Identification	IR	Positive
$E^{1\%}_{1cm}$	458 ~ 486	464
Melting range	52 ~ 55°C	52.8 ~ 53.1°C
Loss on drying	≤ 0.1%	0.04%
Residue on ignition	≤ 0.1%	0.02%
Heavy metals	≤ 10 ppm	Conforms
Impurities	≤ 0.8%	0.23%
Residual solvents	Hexane ≤ 0.029%	0.018%
	Methanol ≤ 0.3%	ND
	Toluene ≤ 0.089%	0.014%
Assay (HPLC) oab	≥ 98.5%	99.4%

Packaging and storage	Keep in a well-closed container
Conclusion	Material complies with in-house standard