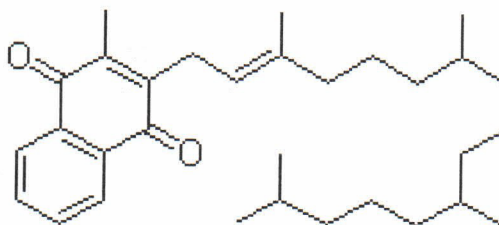




Batch no V250201
Mf date Feb 21 2025
Retest Feb 20 2027
Batch size 120.54 kgs

Molecular Structure



Molecular Formula $C_{31}H_{46}O_2$
Molecular Weight 450.70
CAS Registry Number 84-80-0

Mar 25 2025

Tests	Specifications	Results
Appearance	A clear, intense yellow, viscous, oily liquid	Conforms
Solubility	Practically insoluble in water, sparingly soluble in alcohol, miscible with fatty oils	Conforms
Identification	UV, IR, Reaction 1 & 2	Positive
Refractive index	1.523 ~ 1.526	1.526
Impurities	Maximum single impurity $\leq 0.5\%$ Total impurities $\leq 1.0\%$	0.2% 0.8%
Bacterial endotoxin	< 0.01 Eu/mg	Conforms
Residual solvents	Absolute alcohol $\leq 0.5\%$ N-Hexane $\leq 0.5\%$	Not found 0.01%
Heavy metals	Pb ≤ 10 ppm Lead < 3 ppm Cadmium < 1 ppm Mercury < 0.1 ppm Arsenic < 1 ppm	Conforms < 3 ppm < 1 ppm < 0.1 ppm < 1 ppm
Microbial test	Total plate count < 250 cfu/g Yeast & mold < 10 cfu/g Coliforms < 3 cfu/g Staphylococcus aureus < 10 cfu/g Salmonella Negative (Absent in 25 g)	Conforms Conforms Conforms Conforms Conforms
Assay (Z isomer)	$\leq 21.0\%$	14.38%
Assay (Z & E isomers)	97.0% ~ 103.0%	98.37%

Packaging & storage	Preserve in tight and light-resistant containers. Store at room temperature.
Conclusion	Material complies with USP2024