

Technical Data Sheet

ZLEY® HPR

Basic Information:

- INCI: Hydroxypinacolone Retinoate
- CAS: 893412-73-2
- Main component: Retinoic acid,3,3-dimethyl-2-oxobutyl ester.
- Suggested usage amount: 0.01 - 0.3%

Product Description:

Hydroxypinacolone Retinoate is a derivative of retinoic acid, which is synthesized from retinoic acid and small molecule pinacol, also known as retinoic acid ester. It does not need to be converted into retinoic acid in the body, but directly binds to related receptors to play its role, which not only reduces the irritation to skin but also improves its work efficiency.

Technical Indicators:

Inspection items	Technical index
Appearance	Yellow crystalline powder
Identification	Testing the retention time of the main peak of the solution should be consistent with the contrast solution in the chromatogram recorded under the purity measurement item
Melting Point	86.0~89.0°C
LOD	NMT 0.50%
ROI	NMT 0.20%
Clarity	Clear
Purity (HPLC)	NLT 99.0%

Product Usage:

- ① Suitable for oil-base system, such as pure oil, water in oil, water in silicone oil, and silicone oil in water system, etc. Do not recommend for pure water system and dilute emulsion (viscosity less than 1500).
- ② The formula should be added enough humectant and soothing and anti-sensitive agent.
- ③ It should be add some ingredients that are beneficial to stabilize the component of Vitamin A(e.g. antioxidants, chelating agents), a air-tight and light-proof container would be better.

Packaging and Storage:

- Packaging: Aluminum film bag (lined with polyethylene plastic bag); 1 kg/bag.
- Storage: Please store it in a cool and dry place and the shelf life is 2 years.

Disposal:

Although this product has almost no pollution to the environment, it is best not to discard it together with domestic garbage. Please contact the local environmental protection department for dealing with the product and container and dispose according to the common chemical treatment method. Do not pour large quantities of products into the groundwater system.

Transport Conditions

Check whether the packaging container is complete and sealed, and keep it away from power supply, fire source and other parts during transportation. This product does not belong to hazardous goods or mixtures and can be transported according as general cargo.