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CERTIFICATE OF ANALYSIS

Hydroxypinacolone Retinoate | Batch PHY20260412

Product Name	Hydroxypinacolone Retinoate	**Document No.**	PHY-COA-HPR-PHY20260412
CAS Number	893412-73-2	**Manufacture Date**	15 Oct 2026
Physical Form	Yellow powder	**Analysis Date**	22 Oct 2026
Country of Origin	China	**Expire Date**	14 Oct 2028
Quantity	50kg	**Document Status**	Issued

ANALYTICAL RESULTS

TEST ITEM	SPECIFICATION	RESULT	TEST METHOD
Appearance	Yellow powder	Yellow powder	Visual
Odor	Characteristic	Characteristic	Organoleptic
Purity (by HPLC)	≥ 98.0%	99.01%	HPLC
Melting Point	84.0 – 87.0 °C	**Conforms**	Melting point apparatus
Mesh Size	100% through 80 mesh	**Conforms**	Sieve
Loss on Drying	≤ 1%	**Conforms**	Gravimetric
Lead (Pb)	≤ 10 ppm	**Conforms**	ICP-MS
Arsenic (As)	≤ 2 ppm	**Conforms**	ICP-MS
Mercury (Hg)	≤ 1 ppm	**Conforms**	ICP-MS
Cadmium (Cd)	≤ 5 ppm	**Conforms**	ICP-MS
Total Plate Count	≤ 100 cfu/g	**Conforms**	USP <61>
Yeast & Mold	≤ 100 cfu/g	**Conforms**	USP <61>
Thermotolerant Coliforms	Not detected	**Not detected**	USP <62>
Staphylococcus aureus	Not detected	**Not detected**	USP <62>
Pseudomonas aeruginosa	Not detected	**Not detected**	USP <62>

Conclusion The results listed above conform to the stated specifications.

Storage and shelf life Store in a tightly sealed container, protected from light.

Quality statement The results apply only to the batch identified above. This certificate was reviewed and issued by PHYTVA Quality Assurance based on the manufacturer's batch quality-control records. Customers are responsible for confirming suitability for their intended formulation and applicable market requirements.

REVIEWED AND RELEASED BY	APPROVAL DATE	APPROVAL STATUS
PHYTVA Quality Assurance	**15 Oct 2026**	**Approved**

This certificate is electronically issued and is valid without a handwritten signature.

Source batch record personnel: Mei Zhang, Quality Assurance Officer; Pei Liu.