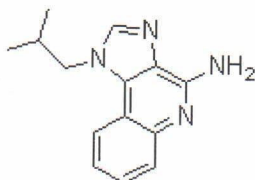


## Imiquimod

Batch no 230808001  
 Mf date Aug 05 2023  
 Expiry Aug 04 2026  
 Batch size 8 kg

### Molecular Structure



Molecular Formula  $C_{14}H_{16}N_4$   
 Molecular Weight 240.31  
 CAS Registry Number 99011-02-6

Oct 11 2023

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White or almost white crystals or crystalline powder, odorless, tasteless	Almost white crystalline powder
Identification	UV, IR, Chemical reaction	Positive
Loss on drying	≤ 0.4%	0.13%
Residue on ignition	≤ 0.1%	0.1%
Related substances	Any individual impurity ≤ 0.4%	0.22%
	Total impurities ≤ 0.8%	0.51%
Residual solvents	Toluene ≤ 0.089%	0.0003%
	n-Hexane ≤ 0.029%	ND
	Ethyl acetate ≤ 0.5%	ND
	Dichloromethane ≤ 0.06%	ND
	Ethanol ≤ 0.5%	0.1%
	Methanol ≤ 0.3%	ND
	Trichloromethane ≤ 0.006%	ND
	Tetrahydrofuran ≤ 0.072%	ND
	Dimethylformamide ≤ 0.088%	0.025%
	Formic acid ≤ 0.5%	ND
Heavy metals	≤ 10 ppm	< 10 ppm
Microbial limits	Total aerobic bacteria count ≤ 800 cfu/g	35 cfu/g
	Total yeasts & molds count ≤ 80 cfu/g	< 10 cfu/g
	Staphylococcus aureus & Pseudomonas aeruginosa not detected per 1 gram	ND
Ammonium salt	≤ 200 ppm	< 200 ppm
Assay (oab)	99.2 ~ 101.0%	99.7%

Packaging & storage	Preserve in tight, light-resistant containers
Conclusion	Material complies with in-house standard