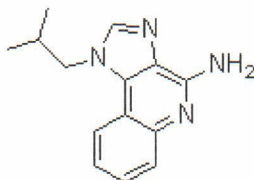


Imiquimod

Batch no 250101001
Mf date Jan 13 2025
Expiry Jan 12 2028
Batch size 5 kg

Molecular Structure



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

May 23 2025

Tests	Specifications	Results
Appearance	White or almost white crystals or crystalline powder, odorless, tasteless	Almost white crystalline powder
Identification	UV, IR, Chemical reaction	Positive
Loss on drying	$\leq 0.4\%$	0.23%
Residue on ignition	$\leq 0.1\%$	0.08%
Related substances	Any individual impurity $\leq 0.4\%$	0.07%
	Total impurities $\leq 0.8\%$	0.09%
Residual solvents	Toluene $\leq 0.089\%$	0.0003%
	n-Hexane $\leq 0.029\%$	ND
	Ethyl acetate $\leq 0.5\%$	ND
	Dichloromethane $\leq 0.06\%$	ND
	Ethanol $\leq 0.5\%$	0.1%
	Methanol $\leq 0.3\%$	ND
	Trichloromethane $\leq 0.006\%$	ND
	Tetrahydrofuran $\leq 0.072\%$	ND
	Dimethylformamide $\leq 0.088\%$	0.025%
	Formic acid $\leq 0.5\%$	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%	99.3%

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