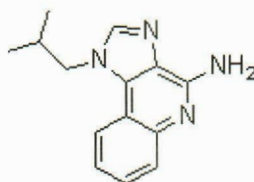


Imiquimod

Batch no 260801001
Mf date Aug 01 2026
Expiry Jul 31 2029
Batch size 7 kg

Molecular Structure



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

Sep 03 2026

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	$\leq 0.4\%$	0.15%
Residue on ignition	$\leq 0.1\%$	0.08%
Related substances	Any individual impurity $\leq 0.4\%$ Total impurities $\leq 0.8\%$	0.07% 0.08%
Residual solvents	Toluene $\leq 0.089\%$ n-Hexane $\leq 0.029\%$ Ethyl acetate $\leq 0.5\%$ Dichloromethane $\leq 0.06\%$ Ethanol $\leq 0.5\%$ Methanol $\leq 0.3\%$ Trichloromethane $\leq 0.006\%$ Tetrahydrofuran $\leq 0.072\%$ Dimethylformamide $\leq 0.088\%$ Formic acid $\leq 0.5\%$	0.0003% ND ND ND 0.11% ND ND ND 0.025% ND
Heavy metals	≤ 10 ppm	< 10 ppm
Microbial limits	Total aerobic bacteria count ≤ 800 cfu/g Total yeasts & molds count ≤ 80 cfu/g Staphylococcus aureus & Pseudomonas aeruginosa not detected per 1 gram	37 cfu/g < 10 cfu/g ND
Ammonium salt	≤ 200 ppm	< 200 ppm
Assay (oab)	99.2 ~ 101.0%	99.63%

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