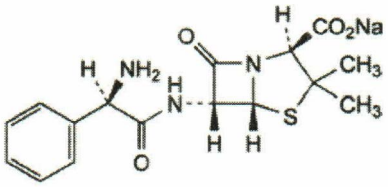
Compounding Chemicals.com.au

Ampicillin Sodium EP10.0

Batch no	260803-28
Mf date	Aug 05 2026
Expiry	Aug 04 2030
Batch size	950 kg

Molecular Structure



Molecular Formula $C_{16}H_{18}N_3NaO_4S$

Molecular Weight 371.4

CAS Registry Number 69-52-3

Oct 14 2026

Tests	Specifications	Results
Appearance	White or almost white powder, hygroscopic	White powder hygroscopic
Identification	IR, sodium test	Positive
Clarity of solution	Not more opalescent than reference solution II	< 1
Absorbance of solution	At 430nm ≤ 0.15	Conforms
pH	8.0 ~ 10.0	9.1
Specific optical rotation	+258 ~ +287°	+266°
Related substances	Any other impurity ≤ 2.0%	1.0%
	Ampicillin dimmer ≤ 4.5%	3.6%
N,N-Dimethylaniline	≤ 0.002%	ND
2-Ethylhexanoic acid	≤ 0.8%	ND
Methylene chloride	≤ 0.2%	< 0.2%
Toluene (In-house)	≤ 0.089%	ND
MIBK (In-house)	≤ 0.45%	ND
Isopropanol (In-house)	≤ 0.5%	ND
Ethyl acetate (In-house)	≤ 0.5%	ND
Acetone (In-house)	≤ 0.5%	ND
N-Butanol (In-house)	≤ 0.5%	ND
Water	≤ 2.0%	1.5%
Visible particles	Meets the requirements	Conforms
Assay (oab)	91.0 ~ 102.0%	95.1%

Packaging and Storage	Preserve in tight containers
Conclusion	Material complies with EP10.0