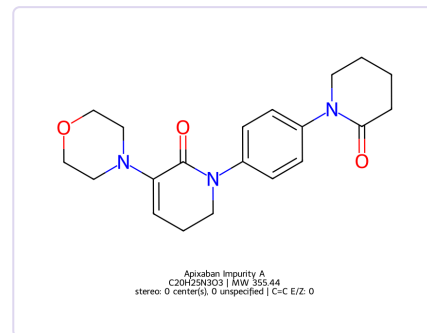


Certificate of Analysis — Reference Standard

Issued per lot • 2026-06-12

1 • Product identification

Product name	Apixaban Impurity A
Synonym(s)	
IUPAC name	
Catalogue No.	RS-A009001
Batch No.	RSSEK045
CAS No.	545445-44-1
Molecular formula	C20H25N3O3
Molecular weight	355.43


2 • Characterisation and test results

Test	Specification	Result
Appearance	Off-white to pale yellow powder	Conforms
Identification (IR)	Conforms to structure	Conforms
Identification (1H NMR)	Conforms to structure	Conforms
Mass spectrometry	Conforms to molecular weight	Conforms
Purity (HPLC, area %)	Not less than 98.0 %	99.7 %
Water content (KF)	Not more than 0.5 %	0.08 %
Residue on ignition	Not more than 0.1 %	0.03 %
Residual solvents (GC)	Not more than 0.5 %	0.11 %
Assay (mass balance)	98.0 – 102.0 %	99.4 %

ASSAY (AS IS)
99.4 %

Mass balance, corrected for residual solvents, water and inorganic residue

UNCERTAINTY U (K = 2)
± 0.5 %

Expanded uncertainty, 95 % level of confidence, coverage factor k = 2

PURITY (HPLC)
99.7 %

Area normalisation, 220 nm unless stated otherwise

Traceability. The assigned value is traceable to the mass balance determined from the analytical data reported above. Balances used are calibrated with weights traceable to national standards. The value is expressed on an "as is" basis unless stated otherwise.

3 • Storage, handling and transport

Long-term storage	Store at 2–8 °C, protected from light, in a tightly closed container
Shipping conditions	Ambient; stable for transport at ambient temperature
Retest date	2029-06-30
Release date	2026-06-15

4 • Notes

- The material was characterised by the methods listed above; supporting spectra are available on request.
- The certificate is valid for the lot identified above and refers only to that lot.
- Store under the conditions stated; re-test before use beyond the retest date.
- Pharmacopoeial names (EP, USP, BP, JP) are used for identification only and do not imply endorsement. Supplied for laboratory and research use only — not for human or veterinary use.

PREPARED BY

REVIEWED BY

APPROVED BY

Analytical Laboratory 2026-06-12

Quality Control 2026-06-14

Quality Assurance 2026-06-15

End of certificate. Any alteration, erasure or partial reproduction renders this document invalid.