CERTIFICATE OF ANALYSIS

ADENINE HYDROCHLORIDE (Ade.HCl), ≥ 97%
MW = 171.6, $C_5H_5N_5$. HCl

OLCHEMIM CODE: 001 326n
OLCHEMIM BATCH: AdeHCl-C
MANUFACTURING DATE: January 2025
EXPIRATION DATE: January 2033
CAS: 2922-28-3
BATCH SIZE: 75 g

APPERANCE
White crystalline powder, free of foreign matters. Loss on drying 0.1% (limit 1% at 105°C). Residue on ignition 0.02% (maximum 0.1%). Heavy metals < 0.001%.

ANALYSIS

FTIR, KBr disc, Nicolet 205 instrument, identical with unlabelled sample.
MASS SPECTROMETRY: Matches the reference spectrum $[M+H]^+$= 136.05 amu, ZMD 2000 (Waters) single quadrupole electrospray MS.
HPLC: Samples were dissolved in mobile phase (initial conditions) and separated on RP-column (150 mm × 2.1 mm, 5µm) (Purospher C18; Merck). The analysis was performed by isocratic elution (65% MeOH, 0.2% AcA). The flow rate was 0.5 ml/min, 30°C. The UV absorbance was scanned between 200 – 400 nm. Rt (Ade) = 14.2 min. Purity: 99.5+%.

STORAGE & STABILITY
LIGHT-SENSITIVE! Store dry over silica gel in tightly-sealed container in the freezer. No detectable decomposition after 12 months storage under these conditions.
SAFETY
No toxicological data available for this compound. Treat as toxic and potentially mutagenic.

FOR LABORATORY USE BY EXPERIENCED PERSONNEL ONLY; NOT FOR DRUG, HOUSEHOLD OR OTHER USES

OlChemIm s.r.o., Šlechtitelů 27, P.O.Box 22, 770 10 Olomouc, Czech Republic
Tel./Fax: +420 585 427 407
email:info@olchemim.cz, OlChemIm on the Internet: http://www.olchemim.cz