

4241 – 5-AMINOLEVULINIC ACID HYDROCHLORIDE

REF NO: TBL/QA/SS/LC/4241	STANDARD SPECIFICATION FOR 5-AMINOLEVULINIC ACID HYDROCHLORIDE	Rev. No: 03
Issue No: 04		Review Date: 26/10/2025
Issue Date: 27/10/2022		Product code: 4241

PRODUCT PROPERTIES

C.A.S Number	5451-09-2
Chemical Formula	C ₅ H ₉ NO ₃ · HCl
Formula weight	167.59
Functional Uses	5-Aminolevulinic Acid Hydrochloride is used to activate or inhibit heme biosynthesis in HeLa and K562 cell lines.[1] It has also been used in photodynamic therapy for A431 tumor bearing mice
Standard Packaging	1 gm & 5 gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Description	White to yellow colour powder
Solubility	Soluble in water, Clear to slight hazy solution

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Residual Solven	NMT- 1.00%
Purity (TLC)	NLT- 98.00%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

