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2-Chloronicotinic Acid,

$C_6H_4ClNO_2$ 157.55 CAS RN®: 2942-59-8.—Off-white powder.

Assay: Inject an appropriate volume into a gas chromatograph (see [Chromatography \(621\)](#)) equipped with a flame-ionization detector, helium being used as the carrier gas. The following conditions have been found suitable: a 0.25-mm × 30-m capillary column coated with a 1- μ m layer of phase G2; the injection port temperature is maintained at 280°; the detector temperature is maintained at 300°; and the column temperature is maintained at 180° and programmed to rise 10° per minute to 280°. The area of the $C_6H_4ClNO_2$ peak is not less than 98% of the total peak area.

Auxiliary Information - Please [check for your question in the FAQs](#) before contacting USP.

Topic/Question	Contact	Expert Committee
2-CHLORONICOTINIC ACID	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

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