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Valerophenone,

$C_{11}H_{14}O$ 162.23 CAS RN[®]: 1009-14-9.—Colorless liquid.

Assay: Inject an appropriate specimen into a suitable 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 capillary column coated with a 1- μ m layer of phase G2; the injection port temperature is maintained at 250°; the detector temperature is maintained at 300°; and the column temperature is maintained at 150° and programmed to rise 10° per minute to 300°. The area of the $C_{11}H_{14}O$ peak is not less than 98% of the total peak area.

REFRACTIVE INDEX (831): 1.5149 at 20°.

Boiling Range: between 105° and 107°, at a pressure of 5 mm of mercury.

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

| Topic/Question | Contact | Expert Committee |
|----------------|--|------------------|
| VALEROPHENONE | Margareth R.C. Marques Principal Scientific Liaison | HDQ Headquarters |

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