

Status: Currently Official on 15-Feb-2025
Official Date: Official Prior to 2013
Document Type: Reagents
DocId: GUID-52419847-2352-4BDA-9007-5EF98DF5FA1F_1_en-US
DOI: https://doi.org/10.31003/USPNF_R2021_01_01
DOI Ref: 59wu1

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4'-Fluoroacetophenone,

$\text{FC}_6\text{H}_4\text{COCH}_3$ 138.14 CAS RN[®]: 403-42-9.—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 25-mm × 30-m capillary column coated with a 1- μm layer of phase G2; the injection port temperature is maintained at 200°; the detector temperature is maintained at 250°; the column temperature is maintained at 100° and programmed to rise 10° per minute to 250°. The area of the $\text{FC}_6\text{H}_4\text{COCH}_3$ peak is not less than 99% of the total peak area.

REFRACTIVE INDEX (831): 1.510 at 20°.

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

Topic/Question	Contact	Expert Committee
4'-FLUOROACETOPHENONE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

Pharmacopeial Forum: Volume No. Information currently unavailable

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