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4-(4-Hydroxyphenyl)-2-butanone,

$C_{10}H_{12}O_2$ 164.20 CAS RN[®]: 5471-51-2.—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 G43; the injection port temperature is maintained at 280°; the detector temperature is maintained at 300°; the column temperature is maintained at 180° and programmed to rise 10° per minute to 280°. The area of the $C_{10}H_{12}O_2$ peak is not less than 98.5% of the total peak area.

MELTING RANGE (741): between 81° and 87°.

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

Topic/Question	Contact	Expert Committee
4-(4-HYDROXYPHENYL)-2-BUTANONE	Margareth R.C. Marques Principal Scientific Liaison	HDQ Headquarters

Most Recently Appeared In:

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