

**IDENTIFICATION**

Raw acetophenone comes in the form of a cloudy, bright orange-red liquid with a persistent aromatic odor.  
Raw acetophenone is a mixture composed primarily of acetophenone:

- Synonyms :1-phenylethanone or methyl-phenyl-ketone or ethanone.
- CAS No. [98-86-2]
- General formula:  $\text{CH}_3\text{-CO-C}_6\text{H}_5$
- Molar mass: 120.06 g/mol

**GENERAL PROPERTIES**

Density at 20°C **1.03 g/cm<sup>3</sup>**  
 Boiling point (start) **80°C under 1 atm**  
 Melting point **between 10°C and 20°C**  
**Very slightly soluble in water (5.5 g/l at 20°C) – Soluble in organic solvents (acetone, methanol)**  
**The product is slightly basic.**

**SPECIFICATIONS**

| METHODS (*) | DETERMINATIONS        | VALUES   | ANALYSIS METHOD<br>NOVAPEX<br>ROUSSILLON |
|-------------|-----------------------|----------|--|
| 1           | Acetophenone (% mass) | 85 min.  | GC                                       |
| 6           | Phenol (% mass)       | 0.1 max. | GC                                       |
| 7           | Water (% mass)        | 4 max    | Karl Fischer                             |

A certificate of analysis or a certificate of conformity may be issued on request.

**PACKAGING**

Bulk by specific tank trucks.

**SAFETY - STORAGE - HANDLING - LABELING - TRANSPORT - PROTECTION - REGULATIONS**

For all information other than that related to the general properties, refer to the safety data sheet for purified acetophenone.

*(This document is available on the Novapex – CLC/Quality/Product sheets & EP network  
It is the annex of record 325PF001bis vs. 1)*