

# Certificate of Analysis

**Product Name:** 4-METHYL-2-PENTANONE, ASTM D1153  
**Item #:** 5778  
**Lot #:** 19270125



## Certified Values:

Specifications (Max Limits or as Specified)	Pass/Fail	Numerical Results
Assay 99.0 - %	Pass	99.7
Appearance 0	Pass	Passes Test
Color (APHA) 15 Max	Pass	< 5
Titration acid 0.0020 meq/g Max	Pass	< 0.0003
Residue after evaporation 0.0050 % Max	Pass	< 0.0001
Water 0.10 % Max	Pass	< 0.06
Methyl isobutyl carbinol (%) 0.3 % Max	Pass	< 0.3

## Comments

**Certificate Create By:** Karen Hirsch  
**Best by:** June 16, 2022  
**Print Date:** Jul 30, 2019

**Signature on File**

## ISO 17025 Testing

All ISO 17025 testing is performed at GFS Chemicals, Inc. 800 Kaderly Dr, Columbus, OH 43228 USA  
UV/Vis Spectrophotometer testing is performed according to ASTM method E169-16.  
Turbidity testing is performed according to ASTM methods D6855-17 and ASTM D7315-17.  
Conductivity testing is performed according to ASTM method D1125-14.  
pH testing is performed according to ASTM method D1293-18.  
Karl Fischer titration testing is performed according to ASTM methods E203-16 and E1064-16.

Not for direct use in food, cosmetics, finished pharmaceuticals or drug products. Supplier is not responsible for compliance with FDA Current Good Manufacturing Practice(cGMP) requirements, including without limitation those for finished drug products in 21 C.F.R Parts 210 and 211. Consult warranty limitations at [www.gfschemicals.com/statics/documents/aboutus/termsandconditions.html](http://www.gfschemicals.com/statics/documents/aboutus/termsandconditions.html)  
For resale by GFS authorized distributors only.

GFS Chemicals, Inc. P.O. Box 245 Powell, OH 43065 \* Signed Orig. Doc. On File  
1-800-858-9682 (U.S. and Canada) 1-740-881-5501 (International) 1-740-881-5989 (Fax)