

J.T.Baker <sup>®</sup> Brand

# BAKER ANALYZED GC-HS REAGENTS

TM

Developed specially for Gas Chromatography  
Headspace Analysis



## Features and Benefits

- Function tested to ensure optimization for headspace applications.
- Exclusively designed for analyses of residual solvents described in the European Pharmacopoeia (Ph. Eur.), United States Pharmacopoeia (USP) and Q3C guidelines of International Conference on Harmonization (ICH).
- Elimination of any major interference peaks in the elution range of target analytes.
- Solvent matrixes with highest achievable purity and extremely low or negligible levels of residual solvent impurities. Certificates of analysis include exactly marked impurities.
- Produced in ISO-certified facilities to provide excellent batch-to-batch consistency saving you valuable time and money by avoiding the need for repeat analysis.

## BAKER ANALYZED GC-HS Reagent line includes:

Product	Catalogue Number	Size
DMF-N, N-dimethylformamide	9753.1000	1 L
DMSO-dimethyl sulfoxide	9754.1000	1 L
DMA-N, N-dimethylacetamide	9755.1000	1 L



## J.T.Baker® BAKER ANALYZED™ GC-HS Reagents

### Developed specially for Gas Chromatography Headspace Analysis

Avantor™ Performance Materials has expanded its line of high-purity solvents for the pharmaceutical market. The new solvents, available under the J.T.Baker® brand, have been developed for more sensitive GC-headspace analysis of volatile organic impurities. Specifically designed manufacturing processes, stringent in-process quality checks and control and above all highly evolved specifications ensure optimal solvent purity and an adequately clean chromatogram in the relevant elution range with a stable base line and minimal signal-to-noise ratio. This helps in accurate identification and quantification of the residual solvents present in the drug substances, excipients and drug products. Each solvent is application optimized and function tested to ensure optimal performance.

## BAKER ANALYZED™ GC-HS Reagent Specifications

### N,N-Dimethylformamide

Test	Specifications
Assay (GC)	min. 99.9 %
Water (KF)	max. 0.05 %
Acidity (mEq/g)	max. 0.0005
Evaporation Residue	max. 0.0005 %
GC-HS Suitability	Passes test

Suitable as solvent for the analysis of residual solvents of ICH classes 1, 2 and 3 according to Ph. Eur. and USP

### Dimethyl Sulfoxide

Test	Specifications
Assay (GC)	min. 99.9 %
Water (KF)	max. 0.05 %
Acidity (mEq/g)	max. 0.0005
Evaporation Residue	max. 0.0005 %
GC-HS Suitability	Passes test

Suitable as solvent for the analysis of residual solvents of ICH classes 1, 2 and 3 according to Ph. Eur. and USP

### N,N-Dimethylacetamide

Test	Specifications
Assay (GC)	min. 99.9 %
Water (KF)	max. 0.05 %
Acidity (mEq/g)	max. 0.0005
Evaporation Residue	max. 0.0005 %
GC-HS Suitability	Passes test

Suitable as solvent for the analysis of residual solvents of ICH classes 1, 2 and 3 according to Ph. Eur. and USP

For more information about these and other products visit [www.avantormaterials.com](http://www.avantormaterials.com) or contact your Avantor Account Manger.



Phillipsburg, NJ 9001:2008 & 14001:2004  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Deventer, the Netherland 9001:2008, 14001:2004 & 13485:2003

Gliwice, Poland 9001:2008 & 17025:2005  
Selangor, Malaysia 901:2008  
Dehradun, India 9001:2008, 14001:2004 & B485:2003  
Mumbai, India 9001:2008 & 17025:2005

### Avantor™ Performance Materials

Avantor Performance Materials manufactures and markets high-performance chemistries and materials around the world under several respected brand names, including the J.T.Baker®, Macron Fine Chemicals™, Rankem™, Diagnova™, BeneSphera™ and POCH™ brands.

Avantor products are used in a wide range of industries. Our biomedical and life science solutions are used in academic, industry and quality control laboratories for research, pharmaceutical production and medical lab testing, while our electronics solutions are used in the manufacturing of semiconductors. Based in Center Valley, Pennsylvania (USA), Avantor is owned by an affiliate of New Mountain Capital, LLC.

For additional information please visit [www.avantormaterials.com](http://www.avantormaterials.com) or follow [www.twitter.com/avantormaterials](https://twitter.com/avantormaterials)



### Ordering Information and Assistance

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[www.avantormaterials.com](http://www.avantormaterials.com)

ASK Avantor™  
Our Web site features ASK Avantor™ which includes live chat capabilities with customer service representatives.  
[www.avantormaterials.com/askavantor](http://www.avantormaterials.com/askavantor)

### Corporate Headquarters

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USA

### Worldwide Locations

• China • Malaysia • North America  
• India • Mexico • Taiwan  
• Korea • The Netherlands  
For contact information at these locations, visit [www.avantormaterials.com/WorldwideDirectory](http://www.avantormaterials.com/WorldwideDirectory)