

LAUNCHES

HPLC GRADE METHANOL

Orochem's HPLC grade Methanol is manufactured to the highest specifications to ensure the integrity of your data, maximize sensitivity in your assay and to prolong the life of your equipment. With Orochem's HPLC Grade Solvents, scientists can expect a consistent, high purity product which is necessary to create reliable Chromatography methods and protocols.

Orochem HPLC solvents are lot-to-lot analyzed to meet the high quality specifications for HPLC separations. We control the low levels of peak impurities, residue, water, acidity and alkalinity, the high chemical purity and the UV transmittance; all of which are critical parameters for a successful HPLC application.

FEATURES:

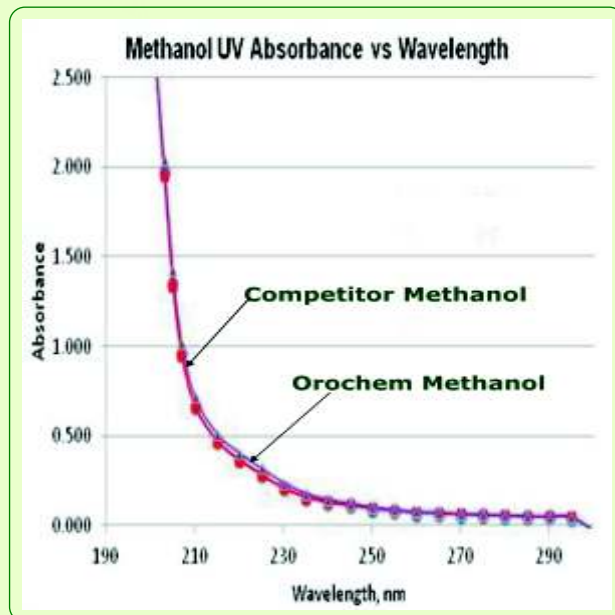
- Stringent gradient elution tests with UV/Vis and fluorescence detection.
- Interference-free, low baseline noise at 190 nm and 240 nm.
- Prefiltered through 0.2 um filters to extend column life.
- Exceeds the specification for ACS solvent suitability for liquid chromatography.
- Tested for polycyclic aromatic hydrocarbons (PAH).

Figure shows that UV spectra of HPLC-grade Methanol. Orochem's Methanol is manufactured specifically to meet needs of modern LC instruments because they are designed to have low contents of alkaline impurities.



4
LITER
PACK

Purity Comparison Graph for Methanol



Manufactured in USA

Available with Orochem India Pvt. Ltd. & its Distributors

Contact

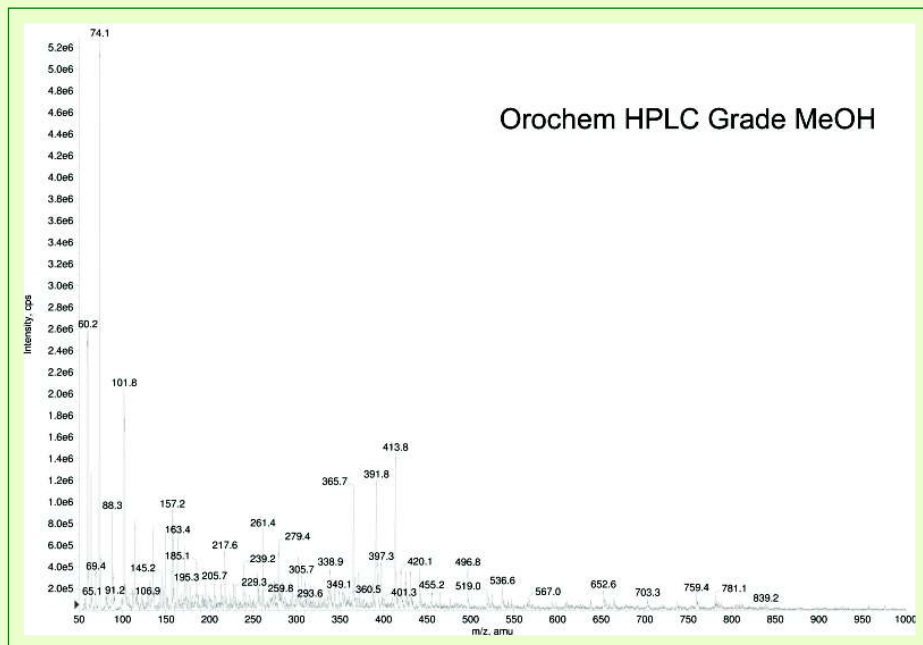
OROCEM INDIA PVT. LTD.

R-588/1, MIDC, Rabale,
Near Golden Garage, Navi Mumbai - 400701
Call : 022-27603569 / 70/71 | 022-6451 8961
www.orochem.com

OROCEM TECHNOLOGIES INC.

331, Eisenhower Lane,
South Lombard, IL 60148, USA
Call : 001-630-916-0225 | Fax : 001-630-916-0250
orochem@vsnl.net

METHANOL HPLC GRADE



Analysis of impurities in Methanol in OTHER brand and OROCHEM brand

Contamination was detected by mass spectrometry. We identified numerous contamination peaks in other brand of methanol at high intensities compared to general use HPLC grade methanol from Orochem. The purity of Orochem Glass-purified methanol was About 30 % better than general use HPLC grade Methanol.

SPECIFICATIONS FOR METHANOL

Product Specification	Limits	Typical Lot Analysis
GC-ECD	5ppt max	1.3 ppt
UV Absorbance		
400 nm-254 nm	0.01 max	0.009
225 nm	0.15 max	0.14
UV cut-off, nm	205 max	204 nm
Assay (by GC, corrected for water)	99.8 % min	99.99 %
Fluorescence Trace Impurities		
At 450nm emission	0.3 ppb max	0.03 ppb
At emission maximum for impurities	1 ppb max	0.2 ppb
Water max	0.05 %	0.008 %
Residue After Evaporation	1 ppm	0.1 ppm
Solubility in water	To pass test	Pass
Acetone	0.001 %	Pass
Titration Acid max	0.0003meq/g	0.0002 meq/g
Titration Base max	0.0001 meq/g	0.00005 meq/g
Gradient Analysis @ 254 nm	0.002 max	<0.001
Identification (IR/GC)	To conform	Pass
Filtered to 0.2 um max	Per lot	Pass

Manufactured in USA

Available with Orochem India Pvt. Ltd. & its Distributors

Contact

ORO CHEM INDIA PVT. LTD.

R-588/1, MIDC, Rabale,
Near Golden Garage, Navi Mumbai - 400701
Call : 022-27603569 / 70/71 | 022-6451 8961
www.orochem.com

ORO CHEM TECHNOLOGIES INC.

331, Eisenhower Lane,
South Lombard, IL 60148, USA
Call : 001-630-916-0225 | Fax : 001-630-916-0250
orochem@vsnl.net