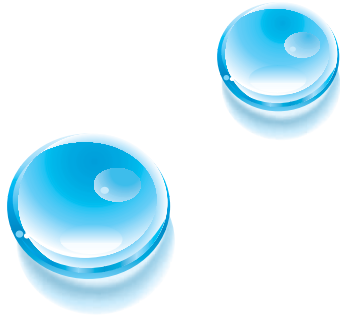


Water - For Analytical Applications

- WATER FOR GC-HS
- WATER GRADIENT GRADE
- WATER ELECTRONIC GRADE
- WATER AR - FOR ANALYSIS
- WATER PRA - FOR PESTICIDE RESIDUE ANALYSIS
- WATER DEIONIZED
- WATER FOR HPLC & SPECTROSCOPY





WATER

Today's sophisticated analytical testing involves different types of high sensitivity techniques such as HPLC, HPLC-Gradient, LCMS, NMR which lead to lower analyte detection limits; Hence it had become critical to consider the level of purity while selection of appropriate solvents during analysis. Considering this fact for, WATER- used in most of the analytical techniques, LOBA CHEMIE has introduced different grades of WATER for specific applications as a part of their product range. As there are different factors such as bacterial contaminations, Ionic impurities (Na; K), Total organic content, colloids etc affect quality and performance of specific technique; every grade has well-defined individual specification parameters with suitability for specific application.

LOBA CHEMIE has introduced following grades of water for different analytical application.

- 6483L WATER FOR GC-HS
- 6483H WATER GRADIENT GRADE
- 6483K WATER ELECTRONIC GRADE
- 6483A WATER AR - FOR ANALYSIS
- 6483I WATER PRA - FOR PESTICIDE RESIDUE ANALYSIS
- 6483B WATER DEIONIZED
- 6483D WATER FOR HPLC & SPECTROSCOPY

Highlights:

- ✓ Purity and quality validated with 30 tests for use in various applications
- ✓ 0.2-micron filtered, packed in solvent-rinsed amber glass bottles
- ✓ Sealed under nitrogen atmosphere to eliminate absorption of unknown atmospheric gases
- ✓ High lot-to-lot consistency and reliability

6483L WATER FOR GC-HS H₂O M.W.:18.02 CAS No:7732-18-5

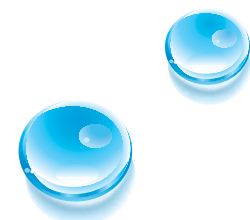
Description	Clear colorless liquid
pH	5 - 7
Color	Max 10 Hazen
Residue on evaporation	Max 0.0005%
GC-HS test	Passes test

Transmission (1cm, H ₂ O) (With air as blank)	
at 200 nm	Min 100%
at 250 nm	Min 100%

6483H WATER GRADIENT GRADE H₂O M.W.:18.02 CAS No:7732-18-5

Appearance	Clear colorless liquid
Fluorescence (as quinine)	
at 254 nm	Max 1 ppb
at 365 nm	Max 1 ppb

Residue on evaporation	Max 0.0005%
Gradient test	
at 210 nm	Max 5 m AU
at 254 nm	Max 1 m AU



6483K WATER ELECTRONIC GRADE

H₂O M.W.:18.02 CAS No:7732-18-5

Appearance	Clear colorless liquid
pH	5 - 7
Residue on evaporation	Max 0.0005%
Specific conductance at the time of manufacturing	0.1 ms/cm
Absorbance at 254 nm	Max 0.01
Total SiO ₂	Max 1 ppm
Total organic carbon	Max 1 ppm
Copper (Cu)	Max 0.5 ppm

Chloride (Cl)	Max 1 ppm
Nickel (Ni)	Max 2 ppm
Nitrate (NO ₃)	Max 5 ppm
Sulphate (SO ₄)	Max 5 ppm
Phosphate (PO ₄)	Max 5 ppm
Potassium (K)	Max 0.5 ppm
Sodium (Na)	Max 0.5 ppm
Zinc (Zn)	Max 0.5 ppm

6483A WATER AR (FOR ANALYSIS)

H₂O M.W.:18.02 CAS No:7732-18-5

Potassium permanganate	
Reducing Matter (as O)	Max 0.000003
Residue on evaporation	Max 0.0001%
Conductivity at the time of mfg.	Max 2 µS/cm
Bromide (Br)	Max 0.01 mg/kg
Chloride (Cl)	Max 0.01 mg/kg
Iodide (I)	Max 0.01 mg/kg
Nitrate (NO ₃)	Max 0.01 mg/kg
Phosphate (PO ₄)	Max 0.01 mg/kg
Sulfate (SO ₄)	Max 0.01 mg/kg
Aluminium (Al)	Max 0.005 mg/kg
Barium (Ba)	Max 0.005 mg/kg
Bismuth (Bi)	Max 0.005 mg/kg
Calcium (Ca)	Max 0.01 mg/kg
Cadmium (Cd)	Max 0.005 mg/kg

Cobalt (Co)	Max 0.005 mg/kg
Chromium (Cr)	Max 0.005 mg/kg
Copper (Cu)	Max 0.005 mg/kg
Iron (Fe)	Max 0.005 mg/kg
Potassium (K)	Max 0.01 mg/kg
Lithium (Li)	Max 0.005 mg/kg
Magnesium (Mg)	Max 0.005 mg/kg
Manganese (Mn)	Max 0.005 mg/kg
Molybdenum (Mo)	Max 0.005 mg/kg
Ammonium (NH ₄)	Max 0.05 mg/kg
Sodium (Na)	Max 0.01 mg/kg
Nickel (Ni)	Max 0.005 mg/kg
Lead (Pb)	Max 0.005 mg/kg
Strontium (Sr)	Max 0.005 mg/kg
Zinc (Zn)	Max 0.005 mg/kg

6483I WATER PRA (FOR PESTICIDE RESIDUE ANALYSIS)

H₂O M.W.:18.02 CAS No:7732-18-5

Appearance	Clear colorless liquid
Specific gravity at 20°C	1.000

Evaporation residue	Max 0.0005%
P.R.A test (Lindane)	Max 5 ng/l

6483B WATER DEIONIZED

H₂O **M.W.:18.02** **CAS No:7732-18-5**

Appearance	Clear colorless liquid
Residue on evaporation	Max 0.0005%
pH	5 - 7
Conductivity	Max 4.3 ms/cm @20°C

Chloride (Cl)	Max 1 ppm
Phosphate (PO ₄)	Max 1 ppm
Phosphate (SO ₄)	Max 1 ppm

6483D WATER FOR HPLC & SPECTROSCOPY

H₂O **M.W.:18.02** **CAS No:7732-18-5**

Appearance	Clear colorless liquid
pH	5 - 7
Residue on evaporation	Max 0.0005%
Color	Max 10 Hazen

UV transmission (with air as blank)	
at 200 nm	Min 100%
at 250 nm	Min 100%