

Grade Definitions



OmniTrace® Ultra Grade Acids

- Highest purity grade available.
- PPT purity.
- Test by ICP/MS after concentration.
- Packaged in pre-cleaned PTFE bottles.
- CoA's report results for more than 60 elements and ions.

OmniTrace® Grade Acids

- Higher purity than Reagent Grade.
- PPB purity.
- Suitable for trace-metal analysis.
- Packaged in poly coated glass bottles.
- Actual lot analysis on the label.

OmniSolv® HR-GC Grade Solvents

- Highest purity solvents available.
- Tested for suitability for High Resolution Gas Chromatography.
- Capillary GC impurities at parts per trillion levels by ECD/parts per billion level by FID.
- Capillary GC-FID & ECD chromatograms of 1000:1 concentrate provided on each bottle.

OmniSolv® Grade Solvents

- High purity solvents.
- Manufactured using state-of-the-art purification equipment.
- Tested for suitability in HPLC including gradient analysis, Spectrophotometry, Residue Analysis and Gas and Liquid Chromatography as listed in the individual monographs in the catalogue.
- Specially purified products tested for environmental analysis (example: Methanol for Purge and Trap).

OmniSolv® Biosynthesis Solvents

- High purity biotechnology solvents.
- Tested for suitability for biomolecular synthesis, sequencing and chromatographic separations under gradient and isocratic conditions.
- Solvents are amine-free, 99.9+% purity, low water content and low acidity.



Biotechnology Grade Solvents	<ul style="list-style-type: none"> • Suitable for DNA and peptide synthesis. • 99.9+% purity. • Low free amines. • Low water content.
OmniPur® Molecular Biology Grade Reagents	<ul style="list-style-type: none"> • Suitable for use in biological applications. • Materials procured and handled to minimize potential of biological contamination. Where possible and applicable, tested to be free from RNase, DNase and Protease contamination. • Where possible and applicable, tested to be free from other biological contamination or absorbance interferences.
DriSolv® Anhydrous Solvents	<ul style="list-style-type: none"> • Septum-Sealed bottles. • Water content as low as >10 ppm. • Specifically designed for organic synthesis. • Available in 100 mL and 1 L bottles and EM ReCycler™ containers from 20 L to 1,250 L.
Suprapur® Grade	<ul style="list-style-type: none"> • High purity acids, salts and solutions. • PPB trace-metal purities. • Suitable for most instrumental analyses. • Acids are packaged in borosilicate glass bottles; salts in poly bottles.
HPLC Grade	<ul style="list-style-type: none"> • High purified organic solvents, acids, salts, ion-pair reagents and mobile phases. • Specifically tested for UV transmittance at multiple wavelengths. • Solvents meet ACS specifications. • Solvents are available in poly coated glass bottles and EM ReCycler™ containers from 18.9 L to 1,250 L.
HPLC Grade Acids/Salts	<ul style="list-style-type: none"> • Higher purity than Reagent Grade. • Tested at one or more UV wavelengths. • Packing poly-coated glass bottles or poly bottles.
Residue Grade Solvents	<ul style="list-style-type: none"> • Solvents tested for suitability in Pesticide Residue Analysis.
GR ACS Grade	<ul style="list-style-type: none"> • Reagent grade that meets or exceeds ACS specifications.
Guaranteed Reagent (GR)	<ul style="list-style-type: none"> • Suitable for use in analytical chemistry, products meet or exceed American Chemical Society (ACS) requirements where applicable. • Grade applies to both solid and liquid chemicals.
Technical/Practical Grade	<ul style="list-style-type: none"> • Selected economical grade of commercial purity, less than reagent grade.

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