



Certified Reference Materials for liquid density

Availability 1 January 2010

The following liquid density CRMs, produced on a UKAS accredited hydrostatic weighing system, are available ex stock.

	density at 20°C kg/m ³	temperature range	uncertainty kg/m ³
2,2,4-trimethylpentane	692	15–25°C	± 0.01
dodecane	749	10–50°C	± 0.01
base lube oil ~ 8 mPa·s @ 40°C	868	10–50°C	± 0.01
base lube oil ~ 30 mPa·s @ 40°C	870	10–50°C	± 0.01
base lube oil ~ 110 mPa·s @ 40°C	882	15–50°C	± 0.01
lube oil A90 ~ 160 mPa·s @ 40°C	887	15–50°C	± 0.01
ethanol in water ~ 40% ABV	948	20°C	± 0.03
ethanol in water ~ 9% ABV	985	20°C	± 0.03
water	998	20°C	± 0.01
dimethyl phthalate ~ 17 mPa·s @ 20°C	1191	15–25°C	± 0.01
dextrose in water ~ 10% _w	1037	20°C	± 0.03
sodium bromide in water ~ 28% _w	1264	15–25°C	± 0.03
caesium chloride ~ 47% _w	1525	15–25°C	± 0.03
tetrachloroethylene	1623	10–50°C	± 0.01

We only sell liquid which has passed through the hydrostatic weighing rig.
Standards are provided in 10 ml sealed glass ampoules.

Remember!
Your density meter is only as good as its last calibration.

