MOLYBDATE LR & HR

Determination of Molybdate (as MoO_4) Range: 0 – 360ppm

Notes	Health & Safety
Please read before proceeding with the test.	Refer to R & S phrases on individual bottles.
When performing the test hold the dropper bottles exactly upside down and allow drops to form slowly and fall off under their own weight.	Wear protective gloves and safety goggles when performing any tests using corrosive, harmful or irritant reagents.
Do not shake off drops as this will affect the accuracy of the test.	Do not ingest.

Take sample according to expected range and add **10 drops** (per 20ml) of **MO1**.	Add **2 Scoops** of **MO2** swirl jar to dissolve.	Add **10 drops** (per 20ml) of **MO3** and swirl to mix.	Add reagent **MO4 or MO6** until sample changes from **Yellow to Red/Orange**




Colours may vary depending on sample and test conditions.

Molybdate mg/l (as MoO_4)= Drops of MO4 or MO6 x Factor

ppm = mg/l

Expected Range	Sample Size	Factor MO4	Factor MO6
1.5 – 50ppm	40ml	1.5	3
40 – 100ppm	20ml	3	6
80 – 360ppm	10ml	6	12

Interferences

1) Copper above 2ppm will interfere by forming a red colour with the indicator. In this event add 10 drops of MO5 in step 2 above. Titrate more slowly as the end point will not be clear.
2) Products containing high levels of phosphate cannot be tested using this method. If in doubt make up product standards.
3) If necessary use colorimetric high range Molybdate method based on the comparator or photometer.

Reorder Codes

MO1	RD2011
MO2	RD2006
MO3	RD2007
MO4	RD2008
MO5	RD2009
MO6	RD2010