

Test Data Sheet

<u>LIQUIDS</u>	DENSITY (g/cm ³)	Boiling Pt (°C)	FLAMMABLE	ODOR	DISSOLVES SUGAR
Water	1.00	100	no	none	yes
Ethanol	0.82	78	yes	strong	no
Methanol	0.79	65	yes	slightly sweet	no
Isopropyl	0.83	81	yes	strong	no

<u>SOLUBLE SALTS</u>	Flame Test	<u>SOLUBLE SALTS</u>	Flame Test
Sodium Chloride	yellow/orange	Lithium Chloride	Red/Fuchsia
Potassium Chloride	purple/pink	Copper Chloride	Blue/Green
Cobalt Chloride	Sparkling silver	Borax	Yellow

<u>INSOLUBLE POWDERS</u>	Acid Test (Reaction)
Calcium Carbonate	Yes
Calcium Fluoride	No

<u>INSOLUBLE SOLID</u>	REACTS WITH ACID	DENSITY (g/cm ³)	COLOR	ADDITIONAL INFORMATION
<u>Metals</u>				
Lead	no	11.3	black	Very soft, leaves dark streak on paper, not magnetic, will not rust in water
Copper	no	8.9	orange	Can be scratched with metal, not magnetic, malleable, will not rust, will turn a flame green if heated 30 seconds.
Iron	slightly	7.9	black/silver	Rust in contact with water, magnetic
Tin	no	7.3	shiny silver	Not magnetic, malleable, shiny, will not rust.
Zinc	slightly	7.1	dull silver	Not magnetic, becomes dull, malleable, will not rust in water
Aluminum	slightly	2.7	silver	Not magnetic, malleable, will not rust in water
Steel	slightly	7.6	silver	Metal alloy, magnetic, malleable, shiny, rusts in water