

Powder Observation Key

Powder	Appearance	Texture	Universal Indicator	Iodine	Acid (Vinegar)	Base (Baking Soda Solution)
Alum	Crystalline, white, variety of shapes	Rough	Red-orange	No effect; remains yellow	No visible effect	Vigorous bubbling; cloudy afterward
Cornstarch	Fine powder, white, fluffy, leaves streaky coating on glass	Smooth, slippery, slick	Orange/peach	Purple	No visible effect	No visible effect
Borax	Granular powder	Smoother, more slippery than sugar	Aqua/teal	No effect; remains yellow	Very slight bubbling; difficult to see	No visible effect
Cream of Tartar	Fine crystalline powder	Smooth	Red-orange	No effect; remains yellow	No visible effect	Vigorous bubbling
Baking Soda	Fine powder	Not perfectly smooth, but closer to cornstarch	Blue (may be green-yellow if old)	Brown	Vigorous bubbling	No visible effect
Flour	Fine, but clumps together	Soft	Salmon pink	Purple; rolls off powder	No effect; rolls off powder	No effect; rolls off powder
Sugar	Crystalline, cubic	Rough, coarse, grainy	Green	No effect; remains yellow	No effect	No visible effect