PHYSICOCHEMICAL LABORATORY EQUIPMENT AND USES

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12.	Solubility index	It is a precision stirrer used primarily in determining the solubility of dry milk
	mixer	powder and sweet whey powder.
13.	Refractometer (brix	It is used to determine the concentration of salt / sugar content in a given
	/ Nacl)	solution.
14.	Density Meter	It is used in measuring the density of liquid samples. e.g Palm Olein
		(vegetable oil)
15.	Chromameter /	It is used to measure the colour of samples. Solid / liquid. It determines the
	spectrophotometer	concentrations of primary colours within a sample to create an exact colour
		signature.
16.	Dessicator	This is an airtight container used for storage of moisture sensitive samples,
		standards and for applications requiring weighing to constant weight. This
		helps to prevents samples/ glasswares from absorbing moisture from the
		environment.
17.	NIR Proximate	Used in proximate analysis of milk to determine fat, moisture, protein, ash,
		lactose, sucrose and total carbohydrate content.
18.	Neogen Raptor	It is used to quantitatively determine the levels of aflatoxin content in ppb of
		a test sample and provides unparalleled accuracy in only 6 minutes.
19.	Sinkability clamp	It is a customized device used to measure the sinkability/wettability of milk
		powder.