

## SUPS – Sugar proficiency scheme

Our SUPS scheme is suitable for laboratories who analyse sugar and other natural sweeteners, particularly manufacturers of sugar and sugar products, soft drinks industries, and companies who trade in this soft commodity market.

In addition to its sweet taste, sugar aides the texture, consistency and preservation of foods and beverages. Therefore the quality level of sugar has to be continually maintained.

LGC Standards cooperates with the International Commission for Uniform

methods of Sugar Analysis (ICUMSA) and the International Stevia Council (ISC).

The purpose of these organisations is to provide robust, internationally developed methods of analysis to aid the trade in sugar and sugar products, Stevia and Stevia products, respectively. The ICUMSA and ISC representatives are involved in the review of progress and performance of SUPS and provide advice on operation and future developments of SUPS.

SUPS provides data which helps with identification of any performance issues with respect to the methods used, and provides evidence of competence for individual laboratories.



## Scheme operation

Our SUPS scheme year operates from January to December and test materials are despatched either two or four times per annum. Round despatch dates and reporting deadlines are available on our current SUPS application form, and further information can be found in our SUPS scheme description. These documents can be downloaded from our website [www.lgcstandards.com](http://www.lgcstandards.com)

Test material	Analytes
Cane or beet sugar.	<b>Chemical</b> Ash, Colour, Moisture*, Polarisisation, Reducing sugars, Reflectance grade, Sulfur dioxide, Turbidity. <b>Metals</b> Arsenic, Cadmium*, Copper, Iron, Lead, Mercury*. <b>Sediment</b> Sediment (insoluble).
Molasses.	<b>Chemical</b> Dry substance, Fermentable sugars*, pH, Reducing sugars, Sucrose, Sulfated ash.
Raw sugar.	<b>Chemical</b> Ash, Colour, Dextran, Moisture, Polarisisation, Reducing sugars, Starch.
Stevia.	<b>Chemical</b> Dulcoside A*, Rebaudioside A*, Rebaudioside B*, Rebaudioside C*, Rebaudioside D*, Rebaudioside E*, Rebaudioside F*, Rubusoside*, Steviolbioside*, Stevioside*, Steviol glycosides (total)*.
Lyophilised material.	<b>Microbiological</b> <b>Enumeration</b> Thermophilic acidophilic bacteria, Total aerobic mesophilic count, Osmophilic yeast and mould, Yeast and mould. <b>Detection</b> Guaiacol producing thermophilic acidophilic bacteria.

\*Not included in our scope of accreditation.

For further Information contact LGC Standards:

   @LGCStandards

[www.lgcstandards.com](http://www.lgcstandards.com) • [sups@lgcgroup.com](mailto:sups@lgcgroup.com) • +44 (0)161 762 2500



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