

Dear participants,

Please find enclosed the material for the proficiency test (PT):

**DLA pt AU04 (2024) - Sugar Alcohols (E420, E421, E953, E966, E967, E968)
in sugar-free Bake Mix Powder**

The two portions contain identical samples with the parameters **Sugar Alcohols (E420, E421, E953, E966, E967, E968)** in the matrix of **sugar-free Cake Bake Mix Powder**. The analysis method is optional.

Please note the attached information on the proficiency test.

New: Please enter your final results online in our PT customer portal my DLA | participant's portal. You will receive further information on this by e-mail, in particular about access to the portal.

Last deadline is September 6th 2024.
After the deadline no results can be accepted.

We are looking forward to any suggestions or questions! We wish you a successful performance of the proficiency test!

Kind regards,

Matthias Besler-Scharf & Alexandra Scharf

On behalf of the DLA-Team

Information on the Proficiency Test (PT)

PT number	DLA ptAU04-2024
PT name	Sugar Alcohols (E420, E421, E966, E953, E966, E967, E968) in sugar-free Bake Mix Powder
Sample matrix*	Samples I + II: Cake baking mix (gluten-free, sugar-free) / Ingredients: corn starch, corn flour, rice flour, lentil flour, modified tapioca starch, thickener: guar gum, cocoa powder, baking powder and sugar alcohols (polyols)
Number of samples and sample amount	2 identical samples I + II, 10 g each.
Storage	Samples I + II: room temperature (PT period)
Intentional use	Laboratory use only (quality control samples)
Parameter	quantitative: Sugar Alcohols (E 420 = Sorbitol, E 421 = Mannitol, E 953 = Isomaltol, E 966 = Lactitol, E 967 = Xylitol, E 968 = Erythritol)
Methods of analysis	Analytical methods are optional
Notes to analysis	The analysis of PT samples should be performed like a routine laboratory analysis. In general we recommend to homogenize a representative sample amount before analysis according to good laboratory practice, especially in case of low sample weights.
Result table	The results for sample I and II as well as the final results calculated as mean of the double determination (samples I and II) should be filled in the result entry table. The recovery rates, if carried out, have to be included in the calculation.
Units	g/100g
Number of significant digits	at least 2
Further information	For information please specify: <ul style="list-style-type: none"> - Date of analysis - DLA-sample-numbers (for sample I and II) - Limit of detection - Assignment incl. Recovery - Recovery with the same matrix - Method is accredited
Result submission	online via my DLA participant's portal (https://my.dla-pt.com) you will receive further information about the access by e-mail
Last Deadline	the latest <u>September 6th 2024</u>
Evaluation report	The evaluation report is expected to be completed 6 weeks after deadline of result submission and sent as PDF file by e-mail.
Coordinator and contact person of PT	Matthias Besler-Scharf PhD

* Control of mixture homogeneity and qualitative testings are carried out by DLA. Any testing of the content, homogeneity and stability of PT parameters is subcontracted by DLA.