

Supporting Information (S-5)

A Complete Structure Investigation of an Organic Molecule for Chemistry Students; An Analysis of Aspartame

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Results From the Questionnaires

10 Table S8 shows the scores with descriptive variables from the pre-laboratory survey (S-3, question 1-6). The items were rated on a scale from 1 to 5, where 1 indicated the lowest value and 5 the highest. The maximum achievable score on these questionnaires for an individual student was 30.

Table S8. The scores with descriptive statistics of the pre-laboratory survey addressing questions related to general background and knowledge of the analytical methods

Statistical parameters	Scores (*)
mean	14.85
median	15
standard deviation	2.54
minimum	10
maximum	21
confidence coefficient (95%) scores $\pm 3 \cdot SD$	0.90 14.85 $\pm$ 7.61

*Highest possible score on this test was 30.

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