

Rubber Oligomer Analytical Standard Kits now available!

ASAS Labor GmbH is proud to announce that analytical standard kits for bromobutyl and chlorobutyl rubber are now available.

Using these standard kits allows you to perform your E&L studies faster and more effectively, through reliable identification and quantification of rubber oligomers with high quality standards from a single source.

The standard kit for bromobutyl consists of

$C_{13}H_{24}$, CAS 63251-38-7

$C_{13}H_{23}Br$, CAS 2514965-51-4

$C_{21}H_{40}$, CAS 2512216-71-4

$C_{21}H_{39}Br$, CAS 2518227-14-8

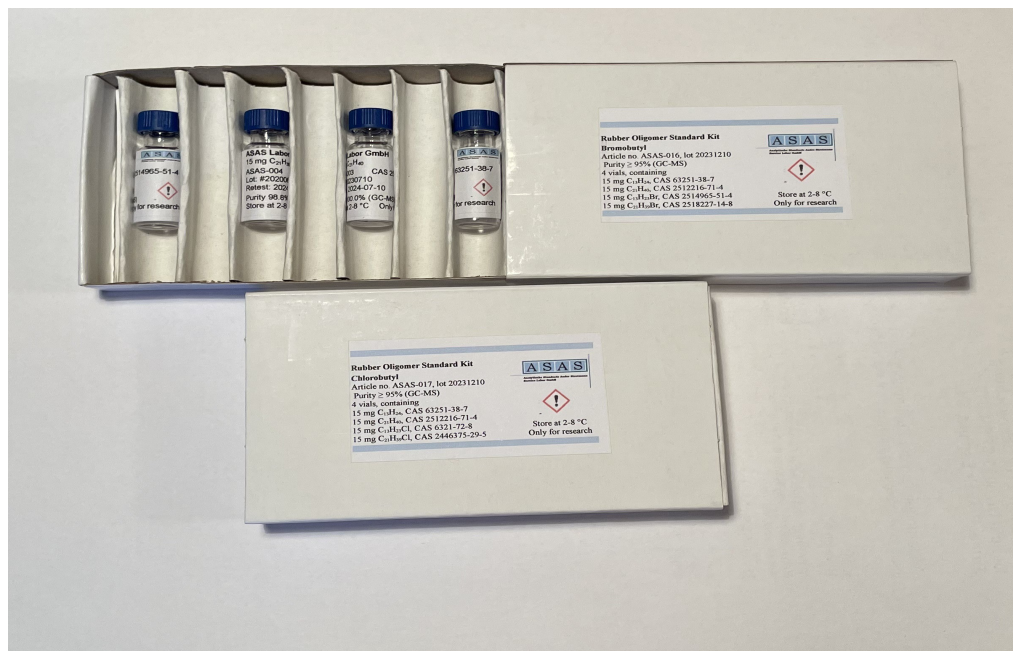
The standard kit for chlorobutyl consists of 4 vials, each containing 15 mg of neat compound:

$C_{13}H_{24}$, CAS 63251-38-7

$C_{13}H_{23}Cl$, CAS 6321-72-8

$C_{21}H_{40}$, CAS 2512216-71-4

$C_{21}H_{39}Cl$, CAS 2446375-29-5



The kits are supplied with detailed CoA's for each compound.

Each standard was rigorously tested by an independent, GMP certified CRO ([Spectral Service AG](#)). The GMP certificate of Spectral Service AG can be found [here](#),

Identity was confirmed by 1H and ^{13}C -NMR. The content of each batch was determined by quan-NMR (metrological traceability of quan-NMR internal standards: NIST SRM 841 (KHP) or NIST SRM 350b (BS)). The raw material is sourced from one of the world's leading suppliers of butyl rubber. All production steps (isolation and purification) and the testing of the end product (identity and content by NMR) are carried out in Germany.

ASAS has years of experience in the analysis and purification of butyl rubber oligomers. In 2018, we were the first laboratory to offer the rubber oligomer C₁₃H₂₃Br commercially. Since then, we have continued to expand our portfolio. Other milestones were the release of a [GC-MS EI-spectral library of butyl rubber oligomers](#) and the development of a method for separating halobutyl rubber isomers with subsequent structural elucidation. Once again at the forefront of development, the market launch of the analytical standard kits for bromobutyl and chlorobutyl rubber is the next consistent step.

In the literature, there are still statements, that rubber oligomer standards are not available (USP stimuli paper 2023 [1]) or “with limited availability and prohibitly expensive” (Norwood 2022 [2]). Well, they **ARE AVAILABLE** (as shown above) and also at a very competitive price. The cost for a rubber oligomer standard kit is in the range of a common SEC column.

Don't hesitate to contact me, if you have any question.

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[1] DOI: https://doi.org/10.31003/USPNF_S203084_10101_01

[2] doi: [10.17145/rss.22.003](https://doi.org/10.17145/rss.22.003)