1NAPH-magMIP is a product based on magnetic and spherical imprinted polymer microparticles, for the selective retention of 1-naphthylamine in water samples.

1NAPH-magMIP is based on molecularly imprinted polymer (MIP) technology. Each MIP phase offers tailor-made selectivity for the extraction of trace analytes in complex matrixes.

The capability of molecular recognition and tolerance to harsh environmental conditions, like high temperature, high pressure, acid, base, and even organic solvents, make MIPs very useful separation materials in SPE and sample pre-concentration.

The incorporation of magnetic properties to MIPs has received considerable attention in recent years thanks to their potential application in cell isolation, enzyme immobilization, protein separation and pre-concentration of targets from crude samples in a rapid way. The unique and attractive property of magnetic carrier materials is that they can readily be isolated from sample solutions by the application of an external magnetic field.

1NAPH-magMIP microparticles are supplied in a size with size ranging from 1 µm to 5 µm and are available as dry particles completely free of additives.

Should any of our materials fail to perform to our specifications, we will be pleased to provide replacements or return the purchase price. We solicit your inquiries concerning all needs for life sciences work. The information given in this bulletin is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user’s responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.

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Characteristics

Polyurethane; Magnetite (γ-Fe$_3$O$_4$) content = 5% w/w.

Mean diameter: $\approx 3 \mu$m

More information:


Storage and Stability

1NAPH-magMIP spherical imprinted polymer microparticles can be stored at room temperature in darkness.

Ordering information

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-03-1000</td>
<td>1NAPH-magMIP</td>
<td>1 g</td>
</tr>
</tbody>
</table>

To order:

sales@nanomyp.com

www.nanomyp.com

This product is for research use only is not intended for use in humans or for in vitro diagnostic use.

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