

Specification

**3-Methacryloxypropyl trimethoxysilane**

**A3797**

<b>Physical Description:</b>	Liquid
<b>Product Code:</b>	A3797
<b>Product Name:</b>	3-Methacryloxypropyl trimethoxysilane
<b>Headline Comment:</b>	• <b>May darken in storage!</b>
<b>Specifications:</b>	Assay (GC): approx. 98 % Identity (IR): passes test
<b>WGK:</b>	1
<b>Storage:</b>	RT
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>20</sub> O <sub>5</sub> Si
<b>M:</b>	248.35 g/mol
<b>CAS:</b>	2530-85-0
<b>EINECS:</b>	219-785-8
<b>CS:</b>	29319000
<b>Index Nr.:</b>	607-134-00-4
<b>Comment</b>	3-Methacryloxypropyltrimethoxysilane (Silane A 174) is soluble in 50 % acetic acid, methanol, ethanol, chloroform, acetone, toluene and xylene. For health reasons the use of ethanol or acetic acid is recommended. This substance is used in polyacrylamide gel electrophoresis for fixing the acrylamide gel to one of the glas plates. A treatment with 2 % Silane A 174 in 50 % acetic acid in capillary electrophoresis (1) or 9 µl in 3 ml 0.5 % acetic acid in 95 % ethanol (2) is described. The other glas plate is normally treated with dimethyldichlorosilane (A0818) or, alternatively, with GelSave (A2574) to prevent sticking of the gel to the glass plate.
<b>Bibliography</b>	(1)Ren, J. <i>et al.</i> (1997) <i>Anal. Biochem.</i> <b>245</b> , 79-84 Analysis of SSCP by capillary electrophoresis with Laser-Induced Fluorescence Detection Using Short-Chain Polyacrylamide as Sieving Medium. (2)Tereba, A. <i>et al.</i> (1998) <i>BioTechniques</i> <b>25</b> , 892-897 Reuse of Denaturing Polyacrylamide Gels for Short Tandem Repeat Analysis.

**AppliChem GmbH**

Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • [info.de@itwreagents.com](mailto:info.de@itwreagents.com) • [www.itwreagents.com](http://www.itwreagents.com)  
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340