SHIMADZU
Excellence in Science

CoreFocus Report

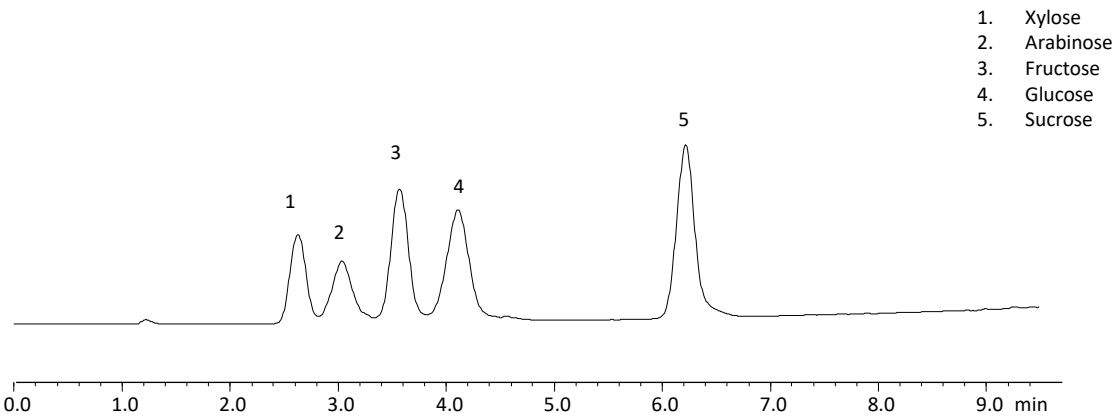
No.653

LC | Hydrophilic Interaction (HILIC) | Shim-pack™ Series

Shim-pack GIST NH2

Analysis of Monosaccharides and a Disaccharide

Keywords: Sugar, Monosaccharides, Disaccharides, Pentose, Hexose



System	:	Nexera™ X3
Column	:	Shim-pack GIST NH2 100 mm x 2.1 mm I.D., 3 µm*1
Mobile phases	:	A: Water B: Acetonitrile
Flow rate	:	0.3 mL/min
Time program	:	90% (0 min) → 80% (8 min) → 90% (8.01-18 min)
Sample solvent	:	50% acetonitrile
Column oven temp.	:	25°C
Detection	:	ELSD
Vial	:	Shim-vial S*2

1*: P/N : 227-30293-05, 2*: P/N: 227-34500-51

CoreFocus, Shim-pack and Nexera are trademarks of Shimadzu Corporation or its affiliated companies in Japan and/or other countries.

Shimadzu Corporation
www.shimadzu.com/an/

For Research Use Only. Not for use in diagnostic procedures.
This publication may contain references to products that are not available in your country. Please contact us to check the availability of these products in your country.

The content of this publication shall not be reproduced, altered or sold for any commercial purpose without the written approval of Shimadzu.
Company names, products/service names and logos used in this publication are trademarks and trade names of Shimadzu Corporation, its subsidiaries or its affiliates, whether or not they are used with trademark symbol "TM" or "®".
Third-party trademarks and trade names may be used in this publication to refer to either the entities or their products/services, whether or not they are used with trademark symbol "TM" or "®".
Shimadzu disclaims any proprietary interest in trademarks and trade names other than its own.

The information contained herein is provided to you "as is" without warranty of any kind including without limitation warranties as to its accuracy or completeness. Shimadzu does not assume any responsibility or liability for any damage, whether direct or indirect, relating to the use of this publication. This publication is based upon the information available to Shimadzu on or before the date of publication, and subject to change without notice.

© Shimadzu Corporation, 2026 / First Edition: Sep. 2026