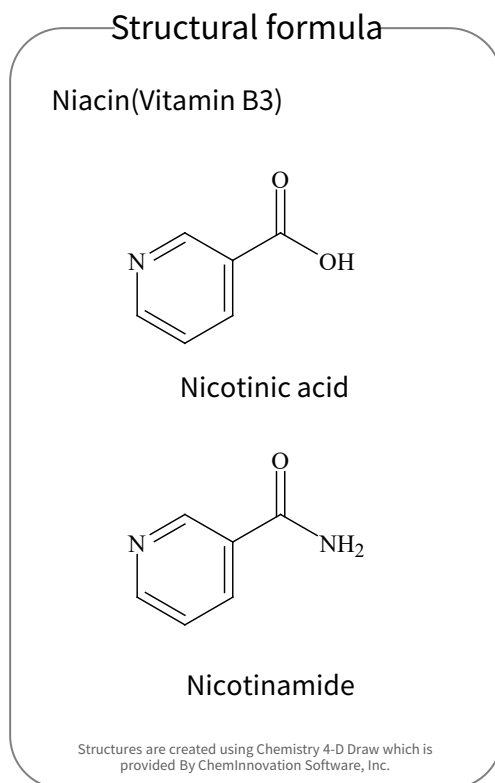
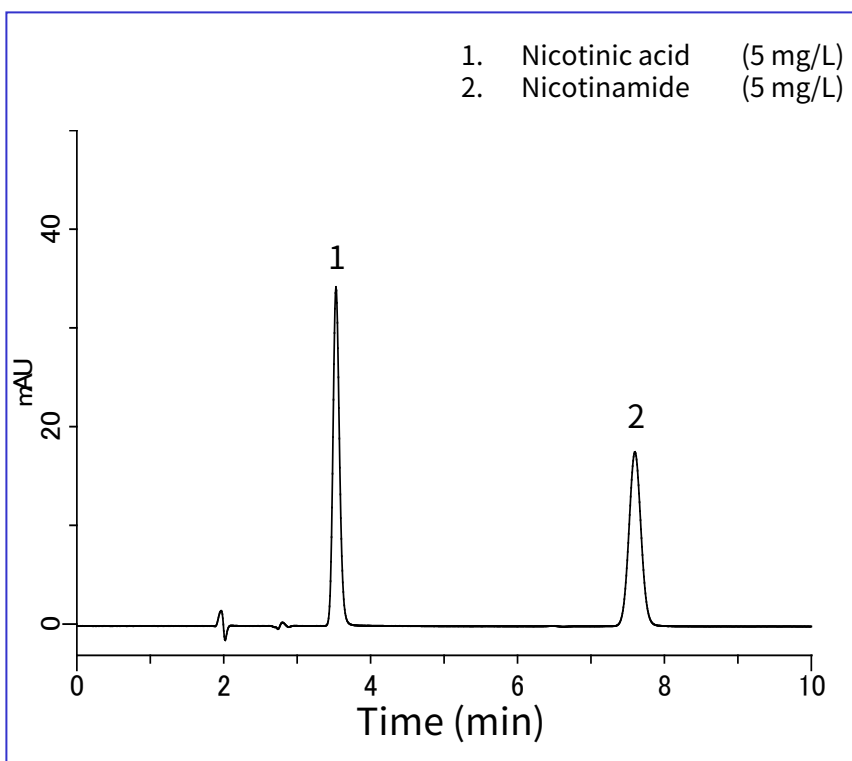


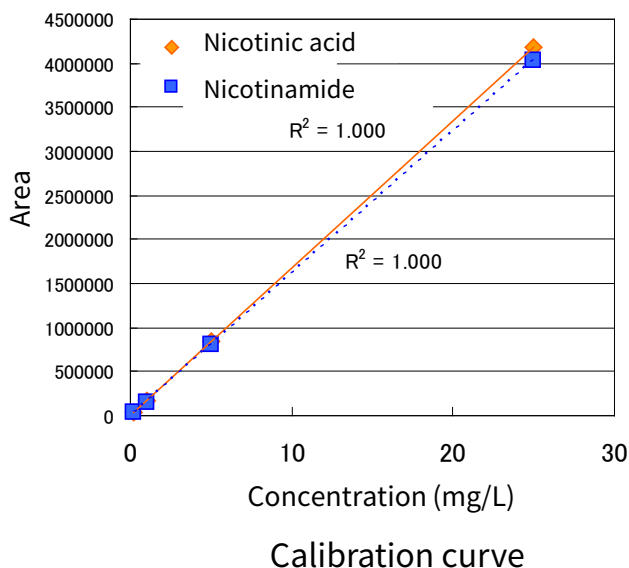
Niacin is a generic name for nicotinic acid and nicotinamide, which are also present in foods as derivatives. Microbial assays are known to be sensitive, but the use of reversed-phase HPLC with ion-pairing methods allows both the analysis and isolation of niacin. The HPLC method described in the Guideline for Food Hygiene Inspection suggests an Inertsil ODS-2 analytical column. This report demonstrates improved results using an Inertsil ODS-3, which is a low-pressure column and hence is more durable. (K.Suzuki)

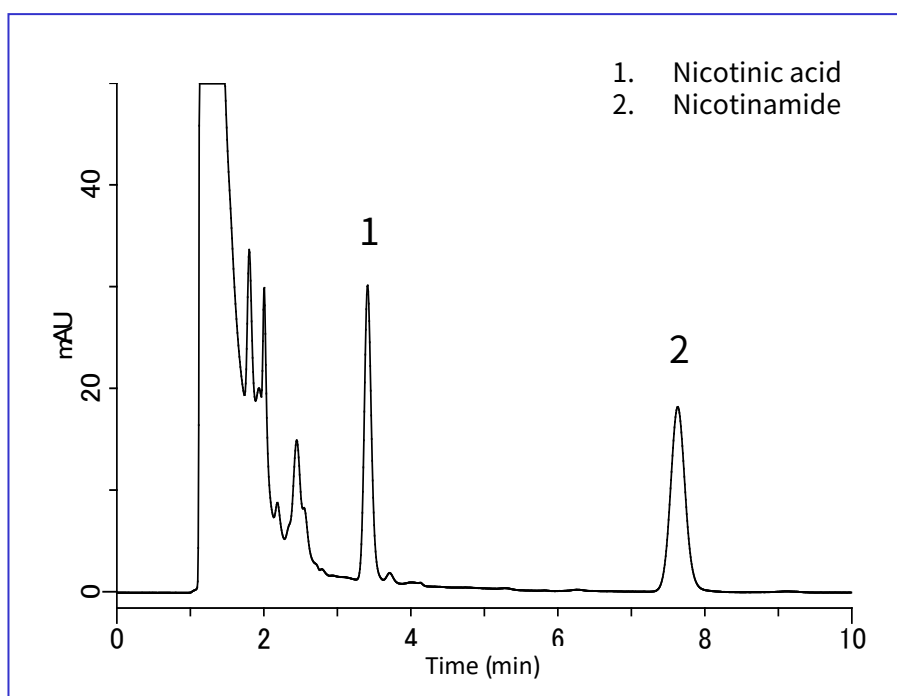
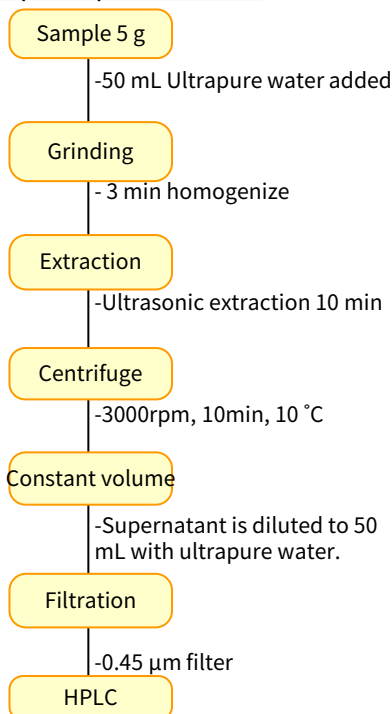
Example: Measurement of standards



HPLC conditions

Column	: Inertsil ODS-3 (5 μ m, 150 x 4.6 mm I.D.)
Eluent	: A) CH ₃ OH B) 0.1 % CH ₃ COOH, 5 mM IPCC-06 (IPCC-06 : Sodium 1-Hexanesulfonate)
	A/B = 7 / 93, v/v (Mixed by a gradient mixer)
Flow rate	: 1.0 mL/min
Column temperature	: 40 °C
Detected	: UV 230 nm
Injection volume	: 20 μ L



Example of spinach analysisExample of pretreatment

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

GL Sciences Inc. Japan

22-1 Nishishinjuku 6-chome
Shinjuku-ku, Tokyo
163-1130, Japan

Phone: +81-3-5323-6620
Fax: +81-3-5323-6621
Email: world@glsc.co.jp
Web: www.glsciences.com

GL Sciences Inc. USA

4733 Torrance Blvd. Suite 255
Torrance, CA 90503
USA

Phone: +1-310-265-4424
Fax: +1-310-265-4425
Email: info@glsciencesinc.com
Web: www.glsciencesinc.com

GL Sciences B.V.

Dillenburgstraat 7C
5652AM, Eindhoven
The Netherlands

Phone: +31-40-254-9531
Email: info@glsciences.eu
Web: www.glsciences.eu

GL Sciences (Shanghai) Limited

Tower B, Room 2003
Far East International Plaza
No.317 Xianxia Road, Changning District
Shanghai, China 200051

Phone: +86-21-62782272
Email: contact@glsciences.com.cn
Web: www.glsciences.com.cn

**International Distributors**

Visit our Website at www.glsciences.com/distributors