

INTERNATIONAL
STANDARD

ISO
23956

First edition
2022-02

**Traditional Chinese medicine —
Determination of benzopyrene in
processed natural products**

*Médecine traditionnelle chinoise — Dosage du benzopyrène dans les
produits naturels transformés*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Test methods	2
4.1 Reagents and apparatus	2
4.1.1 Reagents	2
4.1.2 Apparatus	2
4.2 Sample preparation	2
4.3 HPLC-FLD method	3
4.3.1 Chromatographic condition	3
4.3.2 Identification	3
4.3.3 Construction of calibration curve	3
4.3.4 Quantification	3
4.4 GC-MS method	4
4.4.1 Chromatographic conditions	4
4.4.2 Assay	4
Annex A (informative) Chemical information of benzopyrene	6
Annex B (informative) National regulations and limitations of benzopyrene	7
Annex C (informative) The example of HPLC pattern about benzopyrene(s)	8
Annex D (informative) Determination of benzopyrene(s) in wood creosote	9
Bibliography	10