

ISO 19609-4:2022-12 (E)

Traditional Chinese medicine - Quality and safety of raw materials and finished products made with raw materials - Part 4: Testing for preservatives and unwanted compounds

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Testing for the absence of unwanted compounds and radiation	2
4.1 General	2
4.2 Overview	2
4.3 Determination of preservatives	2
4.3.1 General	2
4.3.2 Determination of preservatives	2
4.3.3 Declaration	3
4.3.4 Analysis of sulfur and sulfur derivatives	3
4.3.5 Analysis of ethylene oxide	5
4.4 Determination of irradiated material	6
4.4.1 General	6
4.4.2 Analysis of irradiated traditional Chinese medicine using photostimulated luminescence ..	6
4.5 Determination of toxic compounds	7
4.5.1 General	7
4.5.2 Natural toxins	7
4.5.3 Toxins resulting from degradation reactions	13
Annex A (informative) Materia medica	14
Annex B (informative) Examples of typical chromatograms of Ephedra herba, Strychni semen, Sophorae tonkinensis radix et rhizoma and their toxic compounds	15
Bibliography	22