



**Bureau of Laboratory Quality Standards  
Ministry of Public Health**

This is to certify that

**The laboratory of**

**Medicinal Plant Research Institute, Department of Medical Sciences**

**88/7 Moo 4, Tiwanon Road, Talad Khwan, Mueang Nonthaburi,**

**Nonthaburi 11000, Thailand**

has been accepted as an

accredited laboratory complying with the ISO/IEC 17025:2017  
and the requirement of the Bureau of Laboratory Quality Standards

The laboratory has been accredited for specific tests

listed in the scope within the field of

**Herbal Products Testing**



(Mr.Surasak Muenphon)

**Director of Bureau of Laboratory Quality Standards**

**Date of Accreditation: 7 January 2025**

**Valid Until : 11 November 2026**

**Accreditation Number 1160/52**

The laboratory of Medicinal Plant Research Institute, Department of Medical Sciences has been accepted as the accredited laboratory in the field of herbal products testing for the following scopes.

No.	Type of Sample	Test	Method
1.	<ul style="list-style-type: none"> <li>- Herbal raw materials</li> <li>- Herbal products</li> </ul>	1. Total aerobic microbial count (CFU)	<ul style="list-style-type: none"> <li>- Thai Herbal Pharmacopoeia 2021.</li> <li>- British Pharmacopoeia 2021.</li> <li>- British Pharmacopoeia 2024.</li> </ul>
		2. Bile-Tolerant Gram-Negative Bacteria (PN)	
		3. Total Yeast and Moulds count (CFU)	
		4. Identification of <i>Escherichia coli</i> (Detected / Not detected)	
		5. Identification of <i>Staphylococcus aureus</i> (Detected / Not detected)	
		6. Identification of <i>Salmonella</i> spp. (Detected / Not detected)	
		7. Identification of <i>Clostridium</i> spp. (Detected / Not detected)	
		8. Identification of <i>Pseudomonas aeruginosa</i> (Detected / Not detected)	

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No.	Type of Sample	Test	Method
1.	- Herbs - Herbal powder - Herbal raw materials - Herbal products	1. Acute Toxicity	In-house method SOP 12 02 004 based on a standard method for acute oral toxicity by OECD: Guidance document on acute oral toxicity testing (Guideline 423), 2001. by Acute oral toxicity testing.
2.	Herbs	2. Pharmacognostic identification of crude drug	In-house method SOP 12 02 003 in connection with: - Thai Herbal Pharmacopoeia 2021. Vol. I, II - Thai Herbal Pharmacopoeia 2021. Supplement 2022. by Pharmacognostic identification technique.
		3. Pharmacognostic identification of powdered drug	In-house method SOP 12 02 024 in connection with: - Thai Herbal Pharmacopoeia 2021. Vol. I, II - Thai Herbal Pharmacopoeia 2021. Supplement 2022. by Pharmacognostic identification technique.
3.	- Herbal raw materials of <i>Curcuma longa</i> L. - Herbal capsules of <i>Curcuma longa</i> L.	4. Curcuminoids content calculated as Curcumin	In-house method SOP 12 02 006 based on Thai Herbal Pharmacopoeia 2021. Page 135 – 145. by UV-VIS spectrophotometry technique.

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No.	Type of Sample	Test	Method
4.	- Herbal raw materials of <i>Andrographis paniculata</i> (Burm. f.) Nees - Herbal capsules of <i>Andrographis paniculata</i> (Burm. f.) Nees	5. Andrographolide content	Thai Herbal Pharmacopoeia 2021. by HPLC technique.
5.	- Herbal raw materials of <i>Senna alata</i> (L.) Roxb. - Herbal capsules of <i>Senna alata</i> (L.) Roxb. - Herbal tea of <i>Senna alata</i> (L.) Roxb.	6. Hydroxyanthracene derivatives content calculated as rhein-8-glucoside	Thai Herbal Pharmacopoeia 2021 Page 89 – 97. by UV-VIS spectrophotometry technique.
6.	- Herbal raw materials of <i>Senna alexandrina</i> Mill. - Herbal capsules of <i>Senna alexandrina</i> Mill.	7. Hydroxyanthracene derivatives content calculated as sennoside B	Thai Pharmacopoeia 1993. Vol. I. Part 2. Page 1272 – 1275. by UV-VIS spectrophotometry technique.
7.	- Herbal raw materials - Herbal capsules - Herbal tea	8. Moisture content	Thai Herbal Pharmacopoeia 2021. Appendix 4.15, Page 624 – 625. Loss on drying by gravimetric method.
		9. Volatile oil content	Thai Herbal Pharmacopoeia 2021. Appendix 7.3H, Page 629 – 630. by Distillation method.