

Public Guide : Microbiological testing Testing servicesServices
Service Organization : Thailand Institute of Nuclear Technology (Public Organization), Ministry of Science and Technology

Procedures, Rules, Conditions (if any) in the application and consideration

The purpose of irradiation in for most of products such as including food, herbs and cosmetics is to reduce the amount of microorganisms and pathogens due to the concerning of consumer safety and improving the quality of the product. To determine the optimum irradiation dose, a prior knowledge of the product’s microbiological quality is needed. However, some of new customers don’t have knowledge about microbiological quality of their own product causing lacking of knowledge of the optimum irradiation dose to reduce the microorganism.

Irradaiton Center acknowledges the problemthis requirement, and thus, has established the microbiological Microbiological laboratory Laboratory providing microbiological testing services such as including total plate counts, total yeast and mold counts and detection of pathogenic microorganisms in many products such as food, herbs and spices, and cosmetics. We can detect the Microbes that can be detected include Staphylococcus aureus, Escherichia coli, Clostridium spp., Pseudomonas aeruginosa, Bacillus cereus. , Salmonella spp. etc. Also In addition, we give provide a service of identification of spices of microorganism species identification using by VITEK 2 Systems, which is a product of bioMerieux, Inc. The microbiological testing services are not only limited for to only the customers who is are interested in using our irradiation services, the irradaiton for microorganism and pathogen reduction but also available to the other walk- in customers who don’t request for the do not require irradiation. The analyzed data analysis results can be used to determine the suitable dose of irradiation for the products. The results and entire process including the report of analysis will can be completed within 20 working days.

Nowaday the The Microbiological laboratory Laboratory is accredited ISO/IEC 17025 by Department of Medical scieSciences, Ministry of Public Health covering the following scope..

The aAccredited number: of laboratory is 1234/56 and the scope is

Products: Raw materials of herbs and spices.

MathodMethod: AOAC Official Method 2002.07 Detection and Quantification of Total Aerobic Microorganisms
 SimPlate Total Plate Count-Color Indicator (TPC-CI) Method

Service channels

<p>Service Stationstation <i>Radiation Irradiation centerCenter</i> <i>Thailand Institute of Nuclear Technology</i> <i>(Public Organization)</i> <i>37 Moo 3, Techno Thani, Klong 5</i> <i>Klong Luang, Pathumthani 12120</i> <i>/ Contact in person at the office.</i></p>	<p>Opening hours <i>Open from Monday to Friday (except public holidays) from 08:30 AM to 4:30 PM</i></p>
<p>Service Stationstation <i>Mr. Prasittichai Tirakitpongpan, Miss. Wanna Kongsuan</i> <i>Phone: 02-401-9889 ext. 6101 - 6103 or 02-577-4168</i> <i>Fax: 02-577-1945</i></p>	<p>Opening hours <i>Open from Monday to Friday (except public holidays) from 08:30 AM to 4:30 PM</i></p>
<p>Service sStation <i>Email : tic@tint.or.th</i></p>	<p>Opening hours <i>Open from Monday to Friday (except public holidays) from 08:30 AM to 4:30 PM</i></p>

Procedure, Duration and Responsible division

Approximately time frame for completing the process is 20 working days.

No.	Procedure	Duration	Responsible division
1)	Document Inspection Check the accuracy and completeness of the application for microbiological analysis and testing analysis services. (Notes: (Irradiation Center)-)	30 minutes	Irradiation Center
2)	Consideration Provide Appointment officer, appointment date / time of analysis, And and issue the invoiceing (Note: (Irradiation Center))	30 minutes	Irradiation Center
3)	Consideration Receive payment Payroll Officer (Note: (Irradiation Center))	30 minutes	Irradiation Center
4)	Consideration Analyze microbiology Perform the microbiological testing service and prepare the analytical test report. (Notes: (subject to analysis, but not exceeding 20 days) Duration depends on the types of analysis required.)	0 minutes ≤ 20 days	Irradiation Center

List of supporting documents

No.	Documents	Responsible division
1)	Form of requesting Request of for microbiological Microbiological testing Testing Services (FM-IC-54) None of Original document 1 of Copied Note-	Thailand Institute of Nuclear Technology (Public Organization)

Fee

No.	Fee details	Fee (Baht)
1)	The details of the document. (Note : -) To be calculated Calculate according to Announcement of fee on Fees for of mMicrobiological testing Testing Services.	300 baht to 2000 baht per 1 testing depend on types of testing

Service Complaint Channel

No.	Complaints / Suggestions
1)	Thailand Institute of Nuclear Technology (Public Organization) Call Center 02-401-9885 (Note :)
2)	Public Service Center, Office of the Permanent Secretary, Office of the Prime Minister (Notes: (1, Phitsanulok, Dusit, Bangkok, 10300/1111; Hotline / www.1111.go.th/ PO Box 1111, 1 Phitsanulok Road, Dusit, Bangkok, 10300))

Sample Forms and Manuals to Complete

No.	Form Name
<i>No sample forms and manual filling.</i>	

Remark :

For more information, please contact our Customer Service Department. Thailand Institute of Nuclear Technology (Public Organization) 37 Moo 3, Techno Thani, Klong 5 Klong Luang, Pathumthani 12120
Phone: 02-401-9889 ext. 6101 - 6103 or 02-577-4168
Fax: 02-577-1945 Email: tic@tint.or.th

Or One Stop Service at Thailand Institute of Nuclear Technology (Public Organization)
16 Vibhavadi-Rangsit Rd., Ladyao, Chatuchak, Bangkok 10900
Phone 02-401-9889 ext. 5990, 02-579-0743 fax 02-579-0220
Thailand Institute of Nuclear Technology (Public Organization) Call Center 02-401-9885