

Public Guide: Strontium-90 Analysis Service
Service Organization : Thailand Institute of Nuclear Technology (Public Organization), Ministry of Science and Technology

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

Strontium-90 (Sr-90) is a radioactive isotope produced by nuclear fission reaction which release specific energy beta (β^-) radiation. Strontium as well as Calcium is classified as an alkali earth which is bone seeker. Therefore, when Strontium accumulates in human body, beta radiation emitted from Sr-90 directly affects bone and related systems following high possibility of cancer and leukemia. Due to half-life of Sr-90 is 29 years, the intake of Sr-90 will remain and may impact human health through their lifetimes.

Thailand Institute of Nuclear Technology (TINT) acknowledges the problem of unintentionally intaking Sr-90 to ensure the food product is free Sr-90 contamination and is fit for human consumption. As a result, Sr-90 analysis service is now available for many products, for example, dairy product such as milk and milk product, fresh and processed seafood, including freeze, canned, dried fish, shrimp, shell, crab, octopus and seaweed. The customer is recommended to provide at least 1.5 kg of sample for particular Sr-90 analysis service.

Processing time frame is approximately 30 days depending on request form approval process and number of samples at a time.

Service channel

| | |
|--|--|
| <p>Service Station (Note : -)</p> <p>One Stop Service 9th building, 1st floor Thailand Institute of Nuclear Technology (Public Organization) 16 Lad Yao District Chatuchak, Bangkok 10900 /Self-contact at the office. Telephone number 02-401-9889 ext. 5990 , 02-579-0743</p> | <p>Opening hours Open from Monday to Friday (except public holidays) from 08:30 AM to 4:30 PM</p> |
| <p>Service Station (Note : -)</p> <p>Sample room National Institute of Nuclear Technology Head office 9/9 Tambon Sai Mun, Ongkharak, Nakhon Nayok / Contact by yourself at the office. Telephone number 02-401-9889 ext. 1142</p> | <p>Opening hours Open from Monday to Friday (except public holidays) from 08:30 AM to 4:30 PM</p> |

Procedure, Duration and Responsible division

Approximately time frame for completing the process is 30 working days.

| No | Procedure | Duration | Responsible division |
|----|---|------------|----------------------------|
| 1. | Request form review and sample registration. (FM-NSC-124) | 30 min. | One Stop Service |
| 2. | Make payment & Confirm appointment | 10 min. | One Stop Service |
| 3. | Samples analysis and report issuing | 25 working | Nuclear Technology Service |

| | | | |
|----|--------------------------|---------------|-----------------------------------|
| | | day | center |
| 4. | Analysis report approval | 5 working day | Nuclear Technology Service center |

List of supporting documents

| No | Documents | Responsible division |
|----|---|--|
| 1. | Request form for Strontium-90 Analysis Service (FM-NSC-124) | Thailand Institute of Nuclear Technology (Public Organization) |

Fee

| No | Fee details | Fee (Baht) |
|----|---|------------|
| 1. | Sr-90 analysis service (Note : -) | 8,000 |
| 2. | Request for report replacement (in case of amendment of customer's details and lost). | 214 |

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> | |

Remarks :

For more information, please contact the Radioactivity Measurement Services Office
Thailand Institute of Nuclear Technology (Public Organization)
9/9 Moo 7, Saimoon, Ongkharak, Nakon Nayok 26120 37 Moo 3, Techno Thani, Klong 5, Klong
Luang, Pathumthani 12120
Phone: 02-401-9889 ext.1142 6102 - 6105 or 02-577-4168
Fax: 02-577-1945 or 02-577-4809 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

This document was downloaded from the official website.

www.info.go.th

Effective Date Guide : 28/09/2018