

Medicines Granules Metallic Products Surgical Disposable
Gamma Irradiation Sterilisation Implants
Raw Material Ayurvedic/Herbal Research
Pharmaceuticals Needles Aluminium Caps
Containers Surgical Blades

SARC

Shriram Applied Radiation Centre

Shriram Applied Radiation Centre (SARC) was established in collaboration with Bhabha Atomic Research Centre (BARC), Board of Radiation & Isotope Technology (BRIT) and Department of Atomic Energy (DAE), Govt. of India, with the following objectives :

- To Develop, Demonstrate and Promote Gamma Radiation Processing Technology and its Diverse Applications Through Applied Research.
- For Gamma Irradiation of Surgical, Medical and Pharmaceutical Products for Sterilization.
- For Reduction of Microbial Load of Herbal/ Ayurvedic Medicines and their Ingredients.
- For Detection and Certification of Radiation Contamination of Various Commodities.

Services Available

- Sterilization of Surgical, Medical and Pharmaceutical Products.
- Irradiation of Ayurvedic Ingredients/Medicines to Reduce Bioburden.
- Irradiation of Precious and Semiprecious Stones for Enhancement of Aesthetics and Color.
- Irradiation of Various Products for Research Studies.
- Testing and Certification of Residual Radiation in Commodities.

All these services are undertaken strictly adhering to regulatory norms.

Products Commonly Processed with Gamma Radiation

Almost all medical products that are covered by the relevant drug and cosmetic regulations are commonly sterilized by gamma radiation.

- **Surgical Products:** Bandages, Dressings, Gauze Pads, Nappies, Delivery Kits etc. which are made of Cotton, Wool and Gauze. Sterilization of Surgical Sutures.
- **Metallic Products:** Surgical Blades, Needles, Implants, Aluminium Caps, Containers etc.
- **Plastic and Rubber Items:** Petri-dish, Centrifuge Tube, Blood Collection Sets, Scalp Vein Sets, Shunt Valves, Rubber Gloves, Contraceptive Devices, Gowns, Wraps, Covers, Sheets, etc.
- **Pharma Products:** Silver Sulphadiazene Cream, Gelatin Capsule, Bentonite, Charcoal, Ergot Powder, Absorbable Gelatin, Ophthalmic preparations in Paraffin Base and Oil Base, Skin Ointment in Polyethylene Glycol Base and API.
- **Ayurvedic/Herbal:** Raw Material, Medicines, Granules, Spices and Condiments.
- **Gem Stones:** Precious and Semi-precious Stones for Colour and Aesthetic Enhancement.

