



BCSIR Laboratories Dhaka, BCSIR

Process

A Process for the Production of Herbal Hand Wash

Area

Office, Hospital and House

Uses

Moisturizing hand cleanser



To develop an appropriate technology & to find out better utilization of indigenous raw materials in the field of public health care. This Hand wash is rich, anti bacterial, luxurious and moisturizing hand cleanser. Hand wash leaves the skin with smooth, silky feeling while minimizing the irritation associated with some bar soaps.

Herbal Hand Wash

Scale of Development

The process is already under commercialization

Major Raw Material

Neem, Aloe vera & sodium laurel sulphate

Major Plant
Equipment/Machinery

S.S. Still container, mechanical stirrer and water bath.

Details of specific application

This product is mainly used for Office, Hospital and House.

Status of Development

This process is accepted by the BCSIR authority and it is already commercialized

Ecological/Environmental Impact (if any, specify briefly)

This process is environment friendly and after commercialization this product is able to fulfill our national demand.

Patenting details

Patented filed in future.

Commercialization Status

This process is already commercialized.

Techno-Economics

Available on demand.

Cost of product

150 Tk/L

Keywords

Neem, Aloe vera & sodium laurel sulphate, Glycerin



BCSIR Laboratories Dhaka, BCSIR

Process

Area

Uses

A Process for the Production of ALOE GEL

Men & Women

As moisturizing skin care gel



ALOE GEL

Scale of Development

The process is already under commercialization

Major Raw Material

Aloevera, Cellulose, Glycerin

Major Plant

Top load balance, Blender, SS Vat fitted with stirrer, Water bath

Equipment/Machinery

Details of specific application

This product is mainly used for Men & Women

Status of Development

This process is accepted by the BCSIR authority and it is already commercialized.

Ecological/Environmental Impact (if any, specify briefly)

This process is environment friendly and after commercialization this product is able to fulfill our national demand

Patenting details

Patented filed in future

Commercialization Status

This process is already commercialized

Techno-Economics

Available on demand

Cost of product

135 Tk/ Kg

Keywords

Aloevera, Cellulose, Glycerin

Process

A Process for the Production of Herbal Shaving Foam



BCSIR Laboratories Dhaka, BCSIR

Area

Saloon & Parlor

Uses

Antioxidant enriched Moisturizing Skin care Foam



To develop an appropriate technology & to find out better utilization of indigenous raw materials in the field of public health care. This Shaving Foam is rich ,anti bacterial, luxurious and moisturizing foam. Shaving Foam leaves the skin with smooth, silky feeling while minimizing the irritation associated with some local foam.

Herbal Shaving Foam

Scale of Development

The process is standardized at industry scale

Major Raw Material

Neem oil, Castor oil, sodium laurel sulphate

Major Plant
Equipment/Machinery

S.S.Still container, mechanical stirrer, balance, feeling machine

Details of specific application This product is mainly used for Saloon & Parlor

Status of Development

This process is accepted by the BCSIR authority and it is already commercialized

Ecological/Environmental Impact(if any, specify briefly)

This process is environment friendly and this product able to fulfill our national demand

Commercialization Status

Already commercialized

Techno-Economics

Available on demand

Cost of product
Keywords

120 Tk/Kg
Neem oil, Castor oil, sodium laurel sulphate

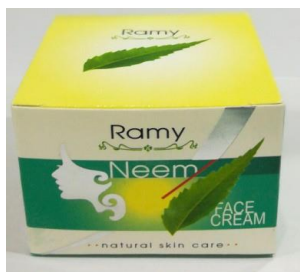


BCSIR Laboratories Dhaka, BCSIR

Process *A Process for the Production of Neem Based Cream*

Area Men & Women

Uses Antibacterial skin care cream



To develop an appropriate technology & to find out better utilization of indigenous raw materials in the field of public health care. This Neem Based Cream is rich ,anti bacterial, luxurious and moisturizing cream. Neem Based Cream leaves the skin with smooth, silky feeling while minimizing the irritation associated with some local Cream

Neem Based Cream

Scale of Development The process is already under

commercialization Major Raw Material Neem , Stearic

acid, Cetyl alcohol and Glycerin

Major Plant Vat fitted with stirrer, balance, feeling machine & water bath.

Equipment/Machinery

Details of specific application This product is mainly used for Men & Women

Status of Development This process is accepted by the BCSIR authority and it is already commercialized.

Ecological/Environmental This process is environment friendly and after commercialization this product

Impact(if any, specify briefly) able to fulfill our national demand.

Patenting details Patented filed in future.

Commercialization Status Already commercialized.

Techno-Economics Available on demand

Cost of product 200Tk/kg

Keywords Neem , Stearic acid, Cetyl alcohol and Glycerin



BCSIR Laboratories Dhaka, BCSIR

Process Process for the Production of Baby Liquid Laundry Detergent

Area Specialized for baby skins and sensitive skins

Use Liquid detergent specialized for baby skin.



Liquid Laundry Detergent is a laundry cleaning product which is specialized for baby skins and sensitive skins. Every parent wants to give the best to their babies and nowadays people have become more cautious about their babies' health. Baby Liquid Laundry Detergent is one of the most popular and demandable products among new parents. The kind of chemicals and irritants that can be found in the regular detergents are terrifying.

Scale of Development The process is already under commercialization

Major Raw Material Coco Betain, glycerin etc.

Major Plant Equipment/Machinery S.S. Still container, mechanical stirrer and water bath.

Details of specific application Mainly used for Baby Liquid Laundry Detergent. It is specialized for baby skins and sensitive skins.

Status of Development This process is accepted by the BCSIR authority and it is already for commercialization

Ecological/Environmental This process is environment friendly
this product is able to fulfill our national demand

Impact (if any, specify briefly)

Ecological/Environmental Environment friendly and after commercialization this
Impact (if any, specify briefly) product is able to fulfill our national demand

Patenting details Patent is already submitted.
Commercialization Status This process is already for commercialization

Techno-Economics Available on demand

Cost of product 125 Tk/Kg

Keywords Coco Betain, glycerin & EDTA



BCSIR Laboratories Dhaka, BCSIR

Process

A Process for the Production of Herbal Body Oil

Area

Specialized for baby skins and sensitive skins.

Uses



For healthy looking skin

Herbal Body oil is mainly intended for the purpose of skin care and Body messaging. Natural and aromatic range of Herbal body oils are used to gain a fresh feeling. Herbal Body Oils are made from natural oils and herbal extracts. It is aromatic and accentuates our senses. It has cleansing properties and antiseptic activities due to the presence of Turmeric ad Neem

Herbal Body Oil

Major Raw Material

Vegetable oil, Turmeric extract, Neem oil etc

Major Plant Equipment/Machinery

Grinder, M.S. with all accessories, Mesh 40-80, Soxhlet extractor, Spring Balance and water bath

Details of specific application

Herbal Body Oil is mainly intended for the purpose of skin care and Body messaging

Status of Development

This process is verified by the BCSIR authority and it is ready for acceptance

Ecological/Environmental Impact(if any, specify briefly)

This process is environment friendly and after commercialization this product able to fulfill our national demand.

Patenting details Commercialization Status

Patented filed in future. Ready for submission for acceptance

Techno-Economics Keywords

Available on demand. Vegetable oil, Turmeric extract, Neem oil etc.

Cost of product

440 Tk/L



BCSIR Laboratories Dhaka, BCSIR

Process Production of oil from kernel of ripe mango.
Area Cosmetic Industries..
Uses Useful in soap, shampoo, cream etc. manufacturing.



Mango Seed Oil

Cholesterol balance, lowers blood sugar, Reduce acne,
Maintain healthy weight (Ref: Health Benefit times.com).

Scale of Development
Major Raw Material

Laboratory scale.
Ripe Mango seeds as wastes of mango processing industry,
nHexane.

Major Plant
Equipment/Machinery
Details of specific application

Soxhlet apparatus, solvent distillation plant.
As an active ingredient in soap, shampoo, cream etc. manufacturing

Status of Development

Product developed, analyzed and process ready to be leased out

Ecological/Environmental Impact(if any, specify briefly)

Not only environment friendly but also profitable as its raw material is a wastes of mango processing industry and it could be substitute of mineral oil.

Commercialization Status

Mango kernel oil is being imported but there is a bright future for establishing this industry in our country.

Techno-Economics

Available on demand.

Keywords

Mango kernel oil, cosmetic ingredient.

Cost of product

around TK. 59 lakh for 30 M.T. production per year



BCSIR Laboratories Dhaka, BCSIR

Process

Use

Major Raw Materials

Major Plant Equipment

Specific Application

Status of Development

Ecological/Environmental
Impact(if any, specify
briefly)

Commercialization Status

Techno-Economics

Keywords

Cost of product

Cotton seed Oil

Crude cottonseed oil has been used in toiletries (e.g. Soaps, facial wash, shampoo and lotions) industries

Waste cotton seed

Distillation equipment, Heating mantle etc.

- The main fatty acids found in crude cotton seed oil are palmitic acid, stearic acid, linoleic acid, caprylic acid, elaidic acid.
- Palmitic acid does display antioxidant properties. Also Palmitic acid can be used as surface active agents.
- Caprylic acid is used in perfumery.
- Stearic acid is mainly used in the production of detergents, soaps and cosmetics such as shampoos and shaving cream products.

It is developed and tested.

Process is environment friendly

Ready for commercialization.

Available on demand.

Waste cotton seed, toiletries, distillation etc.

100 Tk/ L