



VASA'S ACTAA Excipients are range of “**INACTIVE**” ingredient but still an important and key determinant of any dosage form performance. Though **excipients** were one time considered to be not much of importance but today they are key factors for therapeutic enhancement of active ingredient in final dosage form **facilitating Drug Absorption, Reducing Viscosity, Enhancing Solubility.**

ACTAA products of Vasa's are of natural origin manufactured in **GMP and FSSC 22000** approved manufacturing plant, certified by **HALAL, KOSHER, RSPO** and are free from **TSE/BSE, GMO, Allergens**, with **Low Heavy Metal** and also with low **Residual Solvent** available in **Multicompendial grades IP/BP/EP/USP/JP/FCC/E-series/IH**

We shall be able to support customers on their specific requirements of **PSD, SSA and LOD.**

ACTAA products manufactured by us are compatible with wide range of active pharmaceutical ingredients and its Particle size and Physical properties are optimized to enhance its activity and stability to act as an effective Excipients in manufacturing of Dosage forms in **Pharmaceutical, Food and Beverage, Nutraceutical and Cosmetics**

Our **ACTAA** range of products are supported by **DMF / Technical Data Package** and all other regulatory documents required as per **EXIPACT** and **ICH** Guidelines

ACTAA PRODUCTS

Super Disintegrants

Sodium Starch Glycollate (Potato) (Type A)
Sodium Starch Glycollate (Maize) (Type C)
Croscarmellose Sodium

Lubricants / Antiadherents

Magnesium Stearate
Calcium Stearate
Sodium Stearate
Zinc Stearate
Aluminum Stearate

Glidants

Magnesium Stearate

Fillers / Diluents / Binders

Starch Maize
Microcrystalline Cellulose - 101
Microcrystalline Cellulose - 102
Microcrystalline Cellulose - 12
Microcrystalline Cellulose - 112
Microcrystalline Cellulose - 200
Microcrystalline Cellulose - RC591
Microcrystalline Cellulose - 105

Storage Condition : Store in a tightly closed container

Shelf Life : 60 months from date of manufacturing

Packing Information : Available in 25 kg Net weight in Bags/Drums



Accreditations





VASA's **NUTRIMIN** Minerals are range of essential nutrients/trace elements that provide daily levels required to maintain health and maximize productivity thus adding **Nutritional value**.

NUTRIMIN products are **FULLY REACTED MINERAL SALTS** that are Natural origin manufactured in **GMP** and **FSSC 22000** approved manufacturing plants, certified by **HALAL, KOSHER** and are free from **TSE/BSE, GMO, Allergens**, with **Low Heavy Metal** and no **Residual Solvents** content which are available in **Multicompendial grades IP/BP/EP/USP/JJP/FCC/E-series/IH**.

NUTRIMIN products manufactured by VASA's are optimized for its particle size and physical properties to enhance its activity and stability to act as a "**KEY INGREDIENT**" in manufacturing of dosage forms in **Pharmaceutical, Food and Beverage, Nutraceutical, Cosmetics and Animal Health Industries**. **NUTRIMIN** minerals are available in various physical forms like **Granular, Directly Compressible, Ultrafine powder** and **Co-process blends**. We can also manufacturer as per customers in-house requirements.

Our **NUTRIMIN** range of products are supported by **DMF/Technical Data Package** and all other regulatory documents required according to **ICH Q7 guidelines**.

NUTRIMIN PRODUCTS

Acetates

Calcium Acetate
Potassium Acetate
Zinc Acetate

Carbonates

Calcium Carbonate
Lithium Carbonate
Magnesium Carbonate Heavy
Magnesium Carbonate Light
Sodium Carbonate Anhydrous

Hydroxides

Dried Aluminum Hydroxide Gel
Magnesium Hydroxide
Aluminum Magnesium Hydroxide

Gluconates

Calcium Gluconate
Calcium Lactate Gluconate
Ferrous Gluconate
Magnesium Gluconate
Zinc Gluconate

Lactates

Calcium Lactate
Magnesium Lactate
Zinc Lactate

Citrate

Citric Acid Mono / Anhy.
Calcium Citrate
Di Sodium Hydrogen Citrate
Magnesium Citrate
Sodium Citrate
Potassium Citrate
Zinc Citrate
Potassium Magnesium Citrate
Sodium Potassium Citrate
Ferric Citrate

Malates*

Calcium Malate
Magnesium Malate
Calcium Citrate Malate

Oxides

Magnesium Oxide Heavy
Magnesium Oxide Light
Zinc Oxide

Direct Compressible Grades

Calcium Carbonate DC
Calcium Citrate DC
Calcium Citrate Malate DC
Calcium Lactate DC
Dicalcium Phosphate DC
Magnesium Carbonate DC
Magnesium Citrate DC
Magnesium Hydroxide DC
Magnesium Oxide DC

Storage Condition : Store in a tightly closed container

Shelf Life : 36/60 months from date of manufacturing

Packing Information : Available in 25 kg Net weight in Bags / Drums



Accreditations



PREMIXES



WHAT ARE PREMIXES?

Premixes are the ready-mixed blends of excipients (Semi Finished formulations) to enable easy single-step manufacturing process.

Advantages of Premix Manufacturing

- ✓ Saves Formulation Development & Associated Cost
- ✓ Reduces Development Time
- ✓ Increases Quality & production consistency
- ✓ Simplifies Supply Chain Management
- ✓ Customized Formulation Development
- ✓ Add privacy & protection to recipe

PREMIXES

Calcium Citrate + Vitamin D3 DC granules for tablets

Calcium citrate + Calcitrol + Zinc Sulphate DC granules for tablets

Magnesium Hydroxide + Aluminium Hydroxide Granules for oral suspension

Magnesium Hydroxide + Aluminium Hydroxide DC granules for tablets

Ferrous Ascorbate + Folic acid + Zinc Sulphate DC granules for tablets

Ferrous Sulphate DC granules for tablets

Potassium Magnesium Citrate granules for Sachet

Magnesium oxide DC granules for tablets

Customized premixes can also be developed through our R&D.



website : www.vasapharmachem.com

Accreditations



CO-PROCESSED BLENDS



WHAT IS CO-PROCESSED BLENDS ?

Blends are products used for a convenience of using a fixed proportion of certain materials in combination of 2 or more established excipients designed to physically modify the properties in a manner not achievable by simple physical mixing and without significant chemical change.

ADVANTAGE OF CO-PROCESSED BLENDS :

- ✓ To obtain product with an added value related to ratio of its functionality/price
- ✓ Provide a single product with multiple functions
- ✓ Removal of undesirable properties

IDEAL CHARACTERISTICS OF OUR BLENDS :

- ✓ Controlled Particle Size
- ✓ Good Flowability
- ✓ Physiologically Inert
- ✓ Compatible with wide range of API
- ✓ High Dilution Potential (i.e able to incorporate high amount of API)

CO-PROCESSED BLENDS

Minerals Blends

Aluminium Magnesium Hydroxide	Magnesium Citrate Malate
Calcium Citrate Malate	Magnesium Lactate Gluconate
Calcium Magnesium Citrate	Potassium Magnesium Citrate
Calcium Magnesium Lactate Gluconate	Sodium Potassium Citrate
Calcium Lactate Gluconate	Zinc Lactate Gluconate
Ferric Calcium Citrate	

Customized Blends of various Excipients & Minerals can also be developed through our R&D



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Accreditations



DIRECT COMPRESSIBLE GRADES



WHAT IS DC GRADE?

Direct compression is the process by which tablets are compressed directly from powder mixture of API and suitable excipients. We also offer DC granules by usage of micronised raw material.

ADVANTAGE OF DC GRADE :

- ✓ Cost effective production
- ✓ Reduction of Process Cycle
- ✓ Better stability of heat sensitive and moisture containing API
- ✓ Faster Dissolution
- ✓ Less Wear and Tear of Punches
- ✓ Simplified Validation
- ✓ Lower Microbial Contamination

IDEAL CHARACTERISTICS OF OUR DC GRADE

- ✓ Controlled Particle Size
- ✓ Good Flowability
- ✓ Compatible with wide range of API
- ✓ Good compression properties
- ✓ High Dilution Potential (i.e. able to incorporate high amount of API)
- ✓ Combination of micronisation and granulation

AREA OF APPLICATION

- ✓ Capsule and Tablets
- ✓ Nutritional Supplements
- ✓ Hard Gelatin Capsules
- ✓ Sachets / Stick PACKS

DIRECT COMPRESSIBLE GRADES

Calcium Acetate Dc Grade	Magnesium Carbonate Dc Grade
Calcium Carbonate Dc 90S (10% Corn starch)	Magnesium Carbonate Dc 90S
Calcium Carbonate Dc 95S (5% Corn starch)	Magnesium Citrate Dc Grade
Calcium Carbonate Dc 90M(10% Maltodextrin)	Magnesium Hydroxide Dc Grade
Calcium Carbonate Dc 95M(5% Maltodextrin)	Magnesium Hydroxide Dc 90S
Calcium Citrate Dc Grade	Magnesium Gluconate Dc Grade
Calcium Citrate Malate Dc Grade	Magnesium Lactate Dc Grade
Calcium Gluconate Dc Grade	Magnesium Oxide Dc Grade
Calcium Lactate Dc Grade	Sodium Carbonate Dc Grade
Dicalcium Phosphate Dc Grade	Zinc Citrate Dc Grade

website : www.vasapharmachem.com

Customized solution for Directly Compressible & Granulated products can be developed through our R&D

Storage Condition : Store in a tightly closed container

Shelf Life : 36/60 months from date of manufacturing

Packing Information : Available in 25 kg Net weight in Bags / Drums



Accreditations





NUTRIMIN[®]
MINERALS

VASAS[®]
EMPOWERING EXCELLENCE

PREMIXES



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Potassium Magnesium Citrate granules for Sachet

Magnesium oxide DC granules for tablets

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Accreditations





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Calcium Carbonate DC 95S (5% Corn starch)	Magnesium Citrate DC Grade
Calcium Carbonate DC 90M(10% Maltodextrin)	Magnesium Hydroxide DC Grade
Calcium Carbonate DC 95M(5% Maltodextrin)	Magnesium Hydroxide DC 90S
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Calcium Gluconate DC Grade	Magnesium Oxide DC Grade
Calcium Lactate DC Grade	Sodium Carbonate DC Grade
Dicalcium Phosphate DC Grade	Zinc Citrate DC Grade

website : www.vasapharmachem.com

Customized solution for Directly Compressible & Granulated products can be developed through our R&D

Storage Condition : Store in a tightly closed container

Shelf Life : 36 /60 months from date of manufacturing

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