

## EXPERTISE

Since 1968 we provide **high quality Sugar Spheres** for the pharmaceutical industry.

Sugar Spheres are also known as Neutral Pellets, Neutral Cores, Non Pareil Seeds, Microgranules, Sugar Beads and Microspheres.

Thanks to our **expertise and best technologies** for coating processes including "**Air Spraying Systems**", we guarantee **high sphericity and mechanical endurance**, which are key parameters for the production and high performance of the finished medicine.



**Emilio Castelli**  
Neutral Pellets & Globules

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**Emilio Castelli**  
Neutral Pellets & Globules

**Sugar Sphere**  
**USP/NF - Ph.Eur. - JP**



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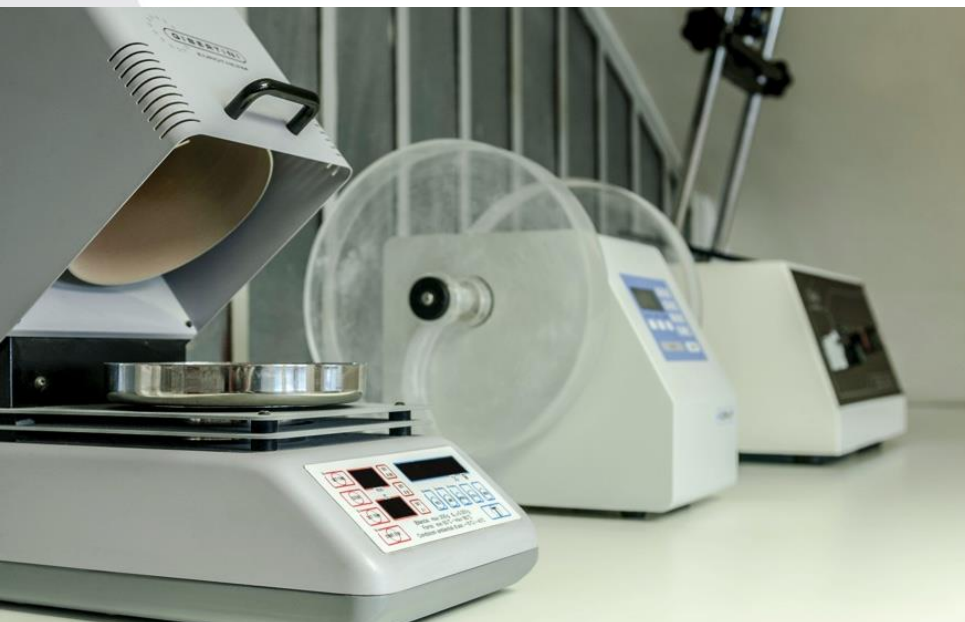
## INNOVATIVE SOLUTION

**Sugar spheres** can be used as neutral starter core for slow release formulations filled in capsules or compressed in tablets. The **spherical shape** is an advantage for any coating process.

The use of sugar spheres is highly appropriate especially for combination drugs. Our excipients are the most **effective solution** to allow the use of several different API at the same time.

## PRODUCT COMPOSITION

Sugar spheres are **spherical granules inert** made up of sucrose (min. 62.5%) and maize starch.



## HIGH QUALITY STANDARDS

We follow strict standards to provide a **product high in safety and quality**. It is a benefit for our customers of the pharmaceutical industry, in need to comply with demanding regulations.

Our sugar spheres adhere to the major international pharmacopoeias such as:  
**Ph. Eur. - USP/NF - USP/JPT**

## HIGH SPHERICITY HIGH STRENGTH

Our sugar spheres show **high sphericity, constant narrow particle size distribution and low friability**

to ensure reproducible production of the finished pellet formulation.

## STANDARD PRODUCT TYPES\*

Type	Micron	Mesh
Sugar Spheres	250-355 µm	45 / 60mesh
Sugar Spheres	355-500 µm	35 / 45mesh
Sugar Spheres	425-500 µm	35 / 40 mesh
Sugar Spheres	500- 600 µm	30 / 35 mesh
Sugar Spheres	610 -710 µm	25 / 30 mesh
Sugar Spheres	710- 850 µm	20 / 25 mesh
Sugar Spheres	850-1000 µm	18 / 20 mesh
Sugar Spheres	850-1180 µm	16 / 20 mesh
Sugar Spheres	1000-1400 µm	14 / 18 mesh

*\*Other sizes or specific PSD are available on demand.*

## MANY ADVANTAGES

**Wide range of standard particle sizes available**

**Taylor made particle sizes** to fit your formulation needs

**Low friability** for a stable coating process and fluid bed suitable

**High sphericity = High standardisation**

**Tight ranges to improve homogeneity = API's better coating**

