

I-High-purity selenium and selenium alloys

For more almost 70 years RETORTE has provided a permanently high, stable quality, a low impurity level and remarkable electro-optical performance due to our unique production process..

High-purity selenium 99.999% min.

- **Quality:** Se 99.995% min. and 99.999% min.
- **Application:** for alloying high-purity metals, solar cells, rectifiers, production of zinc selenide for infrared glass, etc.
- **Packaging:** 25kg steel drum with clamping ring and plastic liner or according to customer request.

High-purity selenium with low oxygen

- **Quality:** Se 99.995%min. and 99.998% min.
- **Application:** photocopier drums, digital x-ray technology, solar cells (CIGS), electro-optical applications in general, etc.
- **Packaging:** 25kg steel drum with clamping ring and plastic liner or according to customer request.

High-purity selenium alloys with tellurium, chlorine, arsenic, etc.

- **Quality:** according to customer request
- Wide variation possible, e.g. from 50% Te to 0.5% Te. Tailor-made production possible.
- **Application:** photocopier drums, digital x-ray technology, electro-optical applications in general, etc.
- **Packaging:** 25kg steel drum with clamping ring and plastic liner or according to customer request.
- **Specialty granules:** On customer request, we also offer specialty granules with an especially uniform, round surface.

II-Selenium metal powder and pellets / granules

Our selenium metal products distinguish themselves through high, stable quality, low iron content and laboratory analysis of each batch.

Selenium metal powder

- **Quality:** standard 99.5% min. / 99.8% min. / 99.9% min. on request
- **Application:** glass, pigments, battery production
- **Packaging:** 25kg steel drum with clamping ring and plastic liner

Selenium metal pellets / granules

III-Selenium chemicals

Our selenium chemical products distinguish themselves through high, stable quality, low iron content and laboratory analysis of each batch.

Sodium selenite Na_2SeO_3 – low-dust – technical quality, feed quality

- **Quality:** 99.8% min. selenium content 45.5 – 45.9%
- **Application:** flat glass industry, ceramic industry, animal feed industry, etc.
- **Packaging:** 25kg steel drum with clamping ring and plastic liner
- *Sodium selenite solution packed in IBC is available on request*

Sodium selenate Na_2SeO_4

- **Quality:** 98% min. selenium content 41 – 42%
- **Application:** fertilizers and others
- **Packaging:** 25kg steel drum with clamping ring and plastic liner
- *Sodium selenate solution packed in IBC is available on request*

Zinc selenite ZnSeO_3

- **Quality:** 99.8% min. selenium content 40.7 - 41.4%
- **Application:** container glass
- **Packaging:** 25kg steel drum or 50kg fiber drum with clamping ring and plastic liner

Selenium dioxide SeO_2

- **Quality:** 99.8 % min. selenium content 70.9 – 71.5%
- **Application:** galvanic industry and manganese production
- **Packaging:** 25kg steel drum or 50kg fiber drum, each with clamping ring and plastic liner
- *High-purity and low-dust product due to special crystallization technique.*

IV-Feed – premixes

Highest quality, produced in Germany. For the production of RETOSEL, we use sodium selenite from RETORTE production only. For the production of RETOCO and RETOJO, we only use the products of our joint venture partner company INCASA, Brazil. We achieve the high product purity through a special production process that complies with all EU standards and legislation.

RETOSEL

Selenium premix – low-dust premix in different concentrations, for the animal feed industry.

- **Quality:** standard 1% and 4.5% or on request
- **Packaging:** 25kg paper bags on a pallet, shrink-wrapped or 500kg big bags
- **Batch size:** 1 metric ton

RETOJO

Iodine premix in different concentrations, for the animal feed industry.

- **Quality:** standard 10% or on request
- **Packaging:** 25kg paper bags on a pallet, shrink-wrapped or 500kg big bags
- **Batch size:** 1 metric ton

V-Products for pharmaceutical applications, food, nutrition and veterinary applications

Sodium selenite Na₂SeO₃ Ph.Eur.

Highest purity.

- **Application:** food, veterinary and pharmacy applications
- **Packaging:** 20kg steel drum with clamping ring and plastic liner; other packaging available on customer's request

Sodium Selenate FCC

Quality according the Food Chemicals Codex for dietary supplement.