



CLAREO, TYPE II PREMIUM INJECTION VIALS

In a process of continuous **improvement**, the R&D teams of SGD Pharma focus on pharmaceutical glass **performances** and patient **safety**.

As a result, **Clareo**, the highest quality Type II premium injection vials are available on the market.

Clareo

Improved container closure integrity

Clareo vials minimize stoppers pop-up.

Superior cosmetic quality

Clareo vials allow pharmaceuticals companies to perform a better inspection at reception and a better inspectability after filling.

Breakage rate reduction

Clareo vials significantly increase the mechanical resistance, offer a better internal pressure resistance and improve vertical resistance by 10%.

Premium quality

SGD Pharma is the only supplier worldwide offering these premium injection vials in Type II.



The benefits of **Clareo vials** allow pharmaceutical companies to reduce wasted filled vials and improve production lines performance leading to a lower Total Cost of Ownership (TCO).

Discover our range

Ref.	ml	ml	g		mm	mm
00771 74	15	17	24	ISO 20	58.8	26.5
00776 74	20	26	29	ISO 20	58	32
00071 74	30	38	35	ISO 20	62.8	36
00772 74	50	60	49	ISO 20	73.0	42.5
01500 74	100	116.2	84	ISO 20	94.5	51.6

◎ Type III, available on demand

◎ Lyophilisation option, offering an optimized bottom, available on demand

Smoother 20mm neck finish

Homogeneous glass wall thickness

Bottom regularity

DID YOU KNOW THAT?

Clareo premium injection vials are a combination of significantly better wall thickness and higher cosmetic quality.

- ◎ Same composition as regular Type II
- ◎ Same production plant (Germany)
- ◎ Same ISO dimensions as regular Type II
- ◎ No regulatory change in Type II

PREMIUM

QUALITY

CONFIDENCE

CLARITY

EFFICIENCY

PATIENT SAFETY

PRECISION



Major customers already benefit from Clareo!

Customer 1 – Breakage rate reduction in Lyo process

The problem

Customer started the production of a **Lyo product** using high level of additive **Mannitol**, which increases the internal pressure on the glass walls. This resulted in very high breakage rate with competition glass vials.

Clareo solution benefit

Breakage rate reduced significantly. 80% time saved in cleaning lyo equipment.

Customer 2 – Breakage rate reduction in filling process

The problem

Customer was facing a high breaking rate in his liquid filling process with standard molded vials.

Clareo solution benefit

Breakage reduced by 10 times.

Customer 3 – Improved total cost of ownership

The problem

Customer was filling a high value drug in standard molded vials. As he opted for inspection before filling he was wishing to reduce the level of false rejects.

Clareo solution benefit

Total cost of ownership decreased with the improvement in waste for high value products.

Customer 4 – Improvement of Container Closure Integrity (CCI)

The problem

A customer who sales generics had issues with the integrity of its stoppers in molded vials. The stopper is not going completely inside the vials and scratch during the closure process.

Clareo solution benefit

Time and cost saving on the filling line.



To get the benefits of Clareo, please contact your local SGD Pharma representative.

www.sgd-pharma.com

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