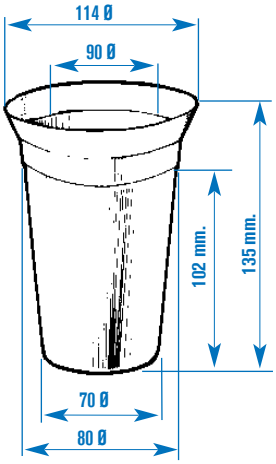


**DYE BEAKER**
Stainless steel AISI 304.
Volume: 500 ml.
Part No. 6000291









Quartz glass

## CRUCIBLES

### AISI 304 STAINLESS STEEL

| Part No. | Ø | Height | Thickness | Volume | Lids Part No. |
|---|---|---|---|---|---|
| 1098302 | 30 mm. | 32 mm. | 2 mm. | 20 ml. | 6009730 |
| 1098402 | 40 mm. | 42 mm. | 2 mm. | 45 ml. | 6009740 |
| 1009830 | 30 mm | 32 mm. | 0.6 mm. | 20 ml. | 6009730 |
| 1009840 | 40 mm. | 42 mm. | 0.6 mm. | 45 ml. | 6009740 |
| 1009850 | 50 mm. | 55 mm. | 0.8 mm. | 85 ml. | 6009750 |
| 1009860 | 60 mm. | 65 mm. | 0.8 mm. | 140 ml. | 6009760 |

### PURE NICKEL Ni

| Part No. | Ø | Height | Thickness | Volume | Lids Part No. |
|---|---|---|---|---|---|
| 1198302 | 30 mm. | 32 mm. | 2 mm. | 20 ml. | 6019730 |
| 1198402 | 40 mm. | 42 mm. | 2 mm. | 45 ml. | 6019740 |
| 1198502 | 50 mm. | 55 mm. | 2 mm. | 85 ml. | 6019750 |
| 1198602 | 60 mm. | 65 mm. | 2 mm. | 140 ml. | 6019760 |
| 1019830 | 30 mm. | 32 mm. | 0.6 mm. | 20 ml. | 6019730 |
| 1019840 | 40 mm. | 42 mm. | 0.6 mm. | 45 ml. | 6019740 |
| 1019850 | 50 mm. | 55 mm. | 0.6 mm. | 85 ml. | 6019750 |
| 1019860 | 60 mm. | 65 mm. | 0.6 mm. | 140 ml. | 6019760 |

### ZIRCONIUM Zr

| Part No. | Ø | Height | Thickness | Volume | Lids Part No. |
|---|---|---|---|---|---|
| 1000563 | 33 mm. | 30 mm. | 1 mm. | 20 ml. | 6000567 |
| 1000564 | 47 mm. | 43 mm. | 1 mm. | 50 ml. | 6000568 |
| 1000565 | 52 mm. | 48 mm. | 1 mm. | 75 ml. | 6000569 |
| 1000566 | 59 mm. | 51 mm. | 1 mm. | 100 ml. | 6000570 |

### QUARTZ GLASS

| Part No. | Ø | Height | Thickness | Volume | Lids Part No. |
|---|---|---|---|---|---|
| 1000570 | 45 mm. | 36 mm. | 1,5 mm. | 38 ml. | 1000620 |
| 1000571 | 50 mm. | 40 mm. | 2 mm. | 49 ml. | 1000621 |
| 1000572 | 60 mm. | 48 mm. | 2 mm. | 90 ml. | 1000622 |
| 1000573 | 35 mm. | 44 mm. | 1,5 mm. | 24 ml. | 1000623 |
| 1000574 | 40 mm. | 50 mm. | 1,5 mm. | 40 ml. | 1000624 |
| 1000575 | 50 mm. | 62 mm. | 2 mm. | 75 ml. | 1000625 |

### QUARTZ GLASS FOR INCINERATION

| Part No. | Ø | Height | Thickness | Volume | Lids Part No. |
|---|---|---|---|---|---|
| 1000576 | 27 mm. | 45 mm. | 1,5 mm. | 15 ml. | Included |
| 1000577 | 25 mm. | 38 mm. | 1,5 mm. | 10 ml. | Included |

### STAINLESS STEEL AISI 304- PURE NICKEL - ZIRCONIUM - QUARTZ

STAINLESS STEEL is usable at temperatures from -180 °C to +500 °C. Resistant to nitric acid, nitrate and potassium permanganate. Good resistance to concentrated alkaline solutions. Average resistance to acetic acid, hydrogen sulphide diluted, phosphoric low concentration, and solutions of sulphites, boric acid, organic acids and bromides.

NICKEL unalterable in the air and stainless up to temperatures of 500 °C, good resistance to molten alkali and seawater.
Excellent performance in the presence of wet chlorine or hydrochloric acid gas up to 500 °C. Slowly attacked by organic acids, hydrochloric and sulfuric acids.
Low resistance to diluted nitric acid.

THE ZIRCONIUM unalterable in the air and clean, resistant up to 550 °C in an oxidizing atmosphere at 1500 °C in inert gas (argon or nitrogen), **in many cases to replace platinum crucibles** in all melting and in particular the sodium peroxide and carbonates. **About 100 melting per crucible**, making them very economical with reference to the others, either porcelain crucibles, steel or nickel. Resistant to most alkali solvents (Na, K, Li), carbonates, hydroxides, peroxides, borates, nitrates, chlorides, some fluorides and sulfuric acid up to 75% concentrate.
**Hydrofluoric acid attacks it.**

QUARTZ GLASS has a high temperature resistant (liquid glass transition 1130°C) as well as a low thermal expansion. It is considered a unique material for several scientific applications due to its purity (can only be attacked by hot phosphoric acid and hydroflouric acid) and thermal characteristics. Furthermore, quartz glass has extraordinary optical properties through its spectral transparency and high irradiation resistance.