

Fill-Finish Line 7

Engineering review · aseptic filling isolator · October 2026

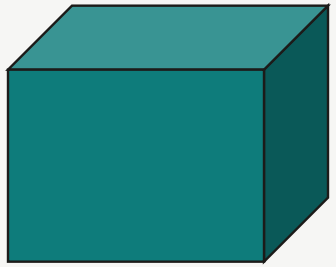
Agenda

- Line layout and isolator
- Extrusion gallery
- Camera and field of view
- glTF models
- Groups and connectors
- SmartArt process
- 3-D charts
- Lethality table and F0
- Photographs with depth
- Embedded workbook

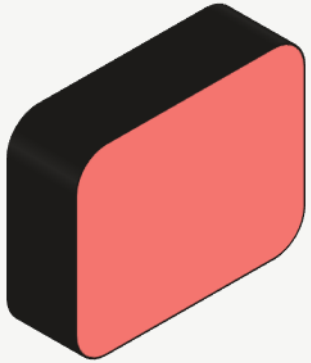
العربية: مراجعة هندسية لخط التعبئة المعقمة رقم ٧

DEMONSTRATION DATA · NOT FOR GMP USE

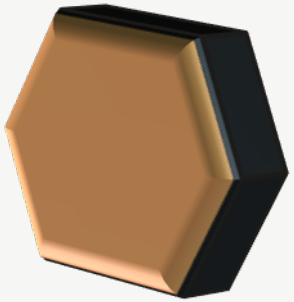
Extrusion gallery



cube preset shape



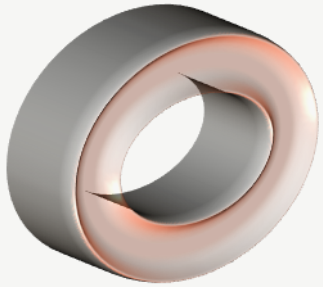
isometric right-up · metal · contrasting light · depth 36



contrasting left-facing · plastic · freezing light · circle bevel



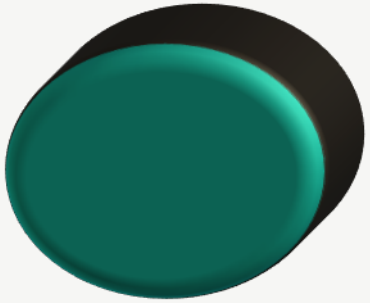
oblique top · warm matte · glow light



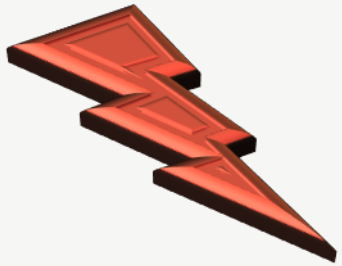
free rotation 40/20 · fov 45 · clear · soft-round bevel



heroic right-facing · dark edge · bright room · slope bevel



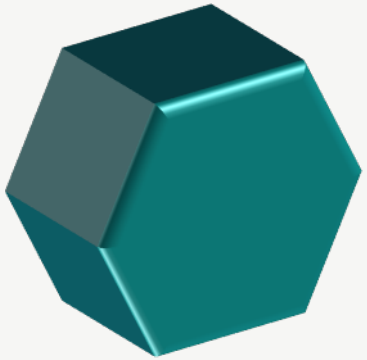
bevel only · powder · circle



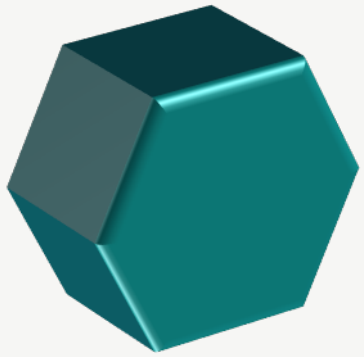
perspective above · soft metal · sunset · divot bevel

Camera presets, materials, lighting rigs and bevels, all set through the PowerPoint object model.

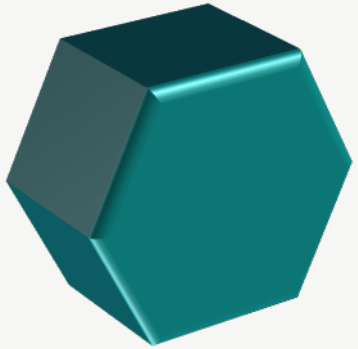
Rotation and field of view



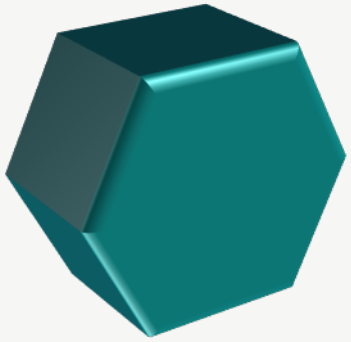
rotation 35 / 25 · field of view 0°



rotation 35 / 25 · field of view 30°

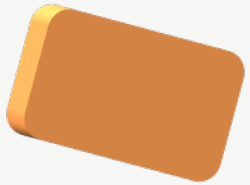


rotation 35 / 25 · field of view 60°



rotation 35 / 25 · field of view 90°









Bottom row: rotation X 0–60°, Z 0–45°, lighting rig and light angle stepped per tile

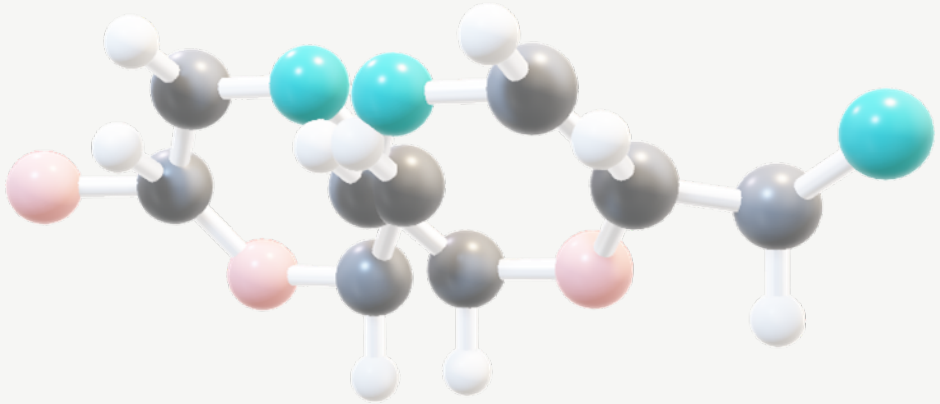
glTF models at different view angles



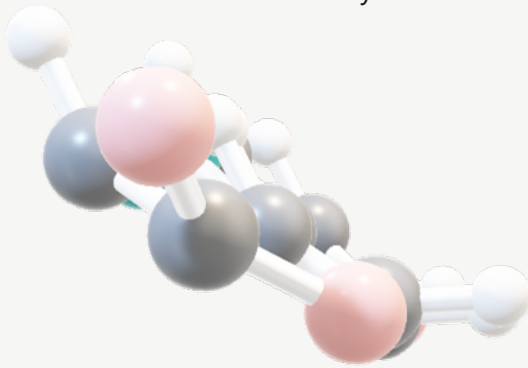
vial · rx 0 ry 0

vial · rx 20 ry 45

vial · rx -25 ry 160



molecule · rx 35 ry -25



molecule · rx -60 ry 80

Groups and connectors



rework loop (curved connector)



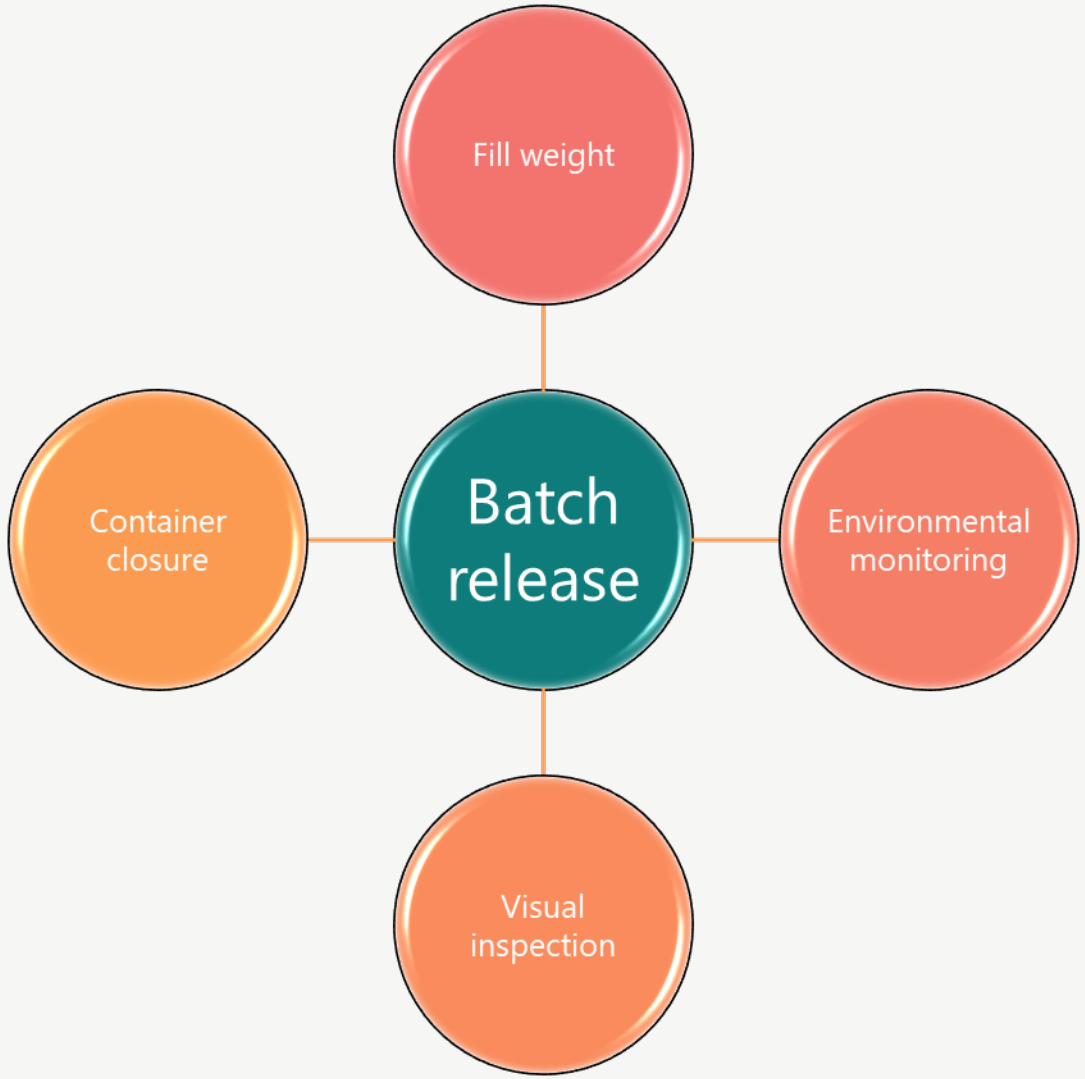
isolator icon · nested group

wet zone

grade A zone

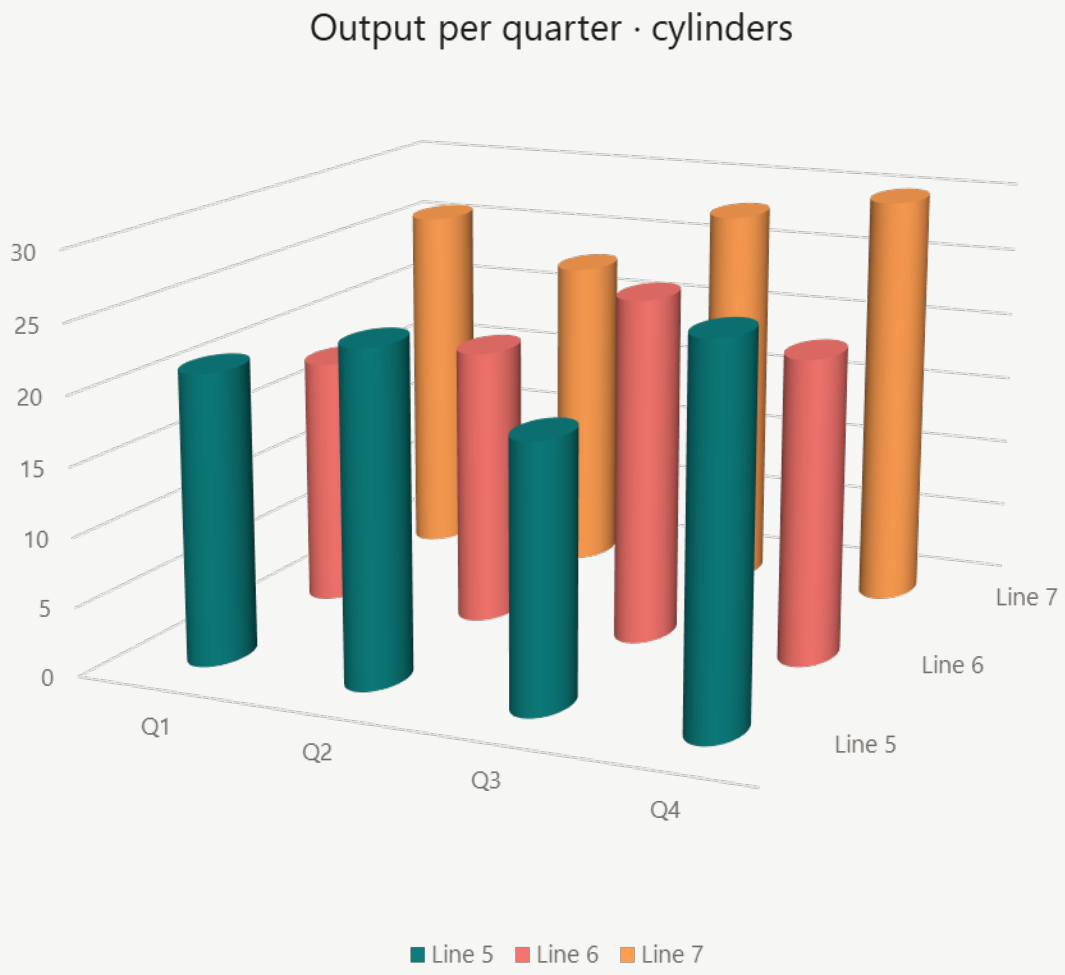
dry zone

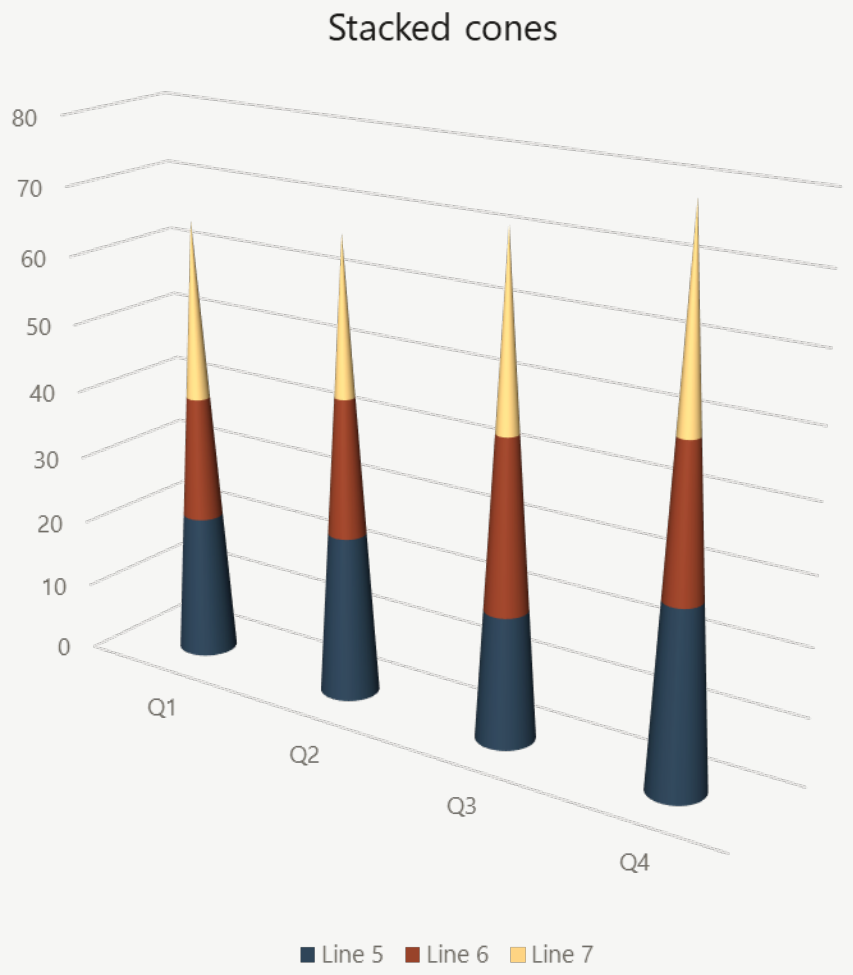
Release process in SmartArt



Radial SmartArt with a 3-D quick style (3d3) and colourful accent colours. Every node is a SmartArt shape, not a drawing.

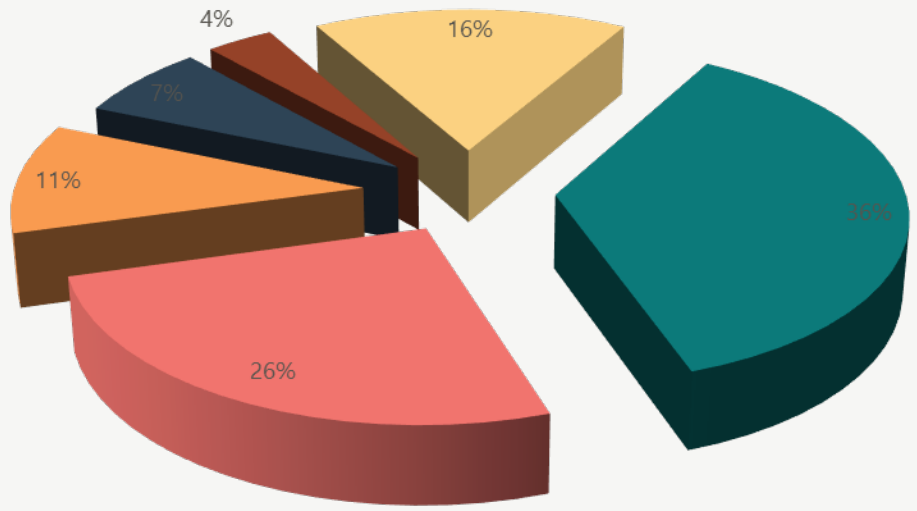
3-D columns: cylinders and cones





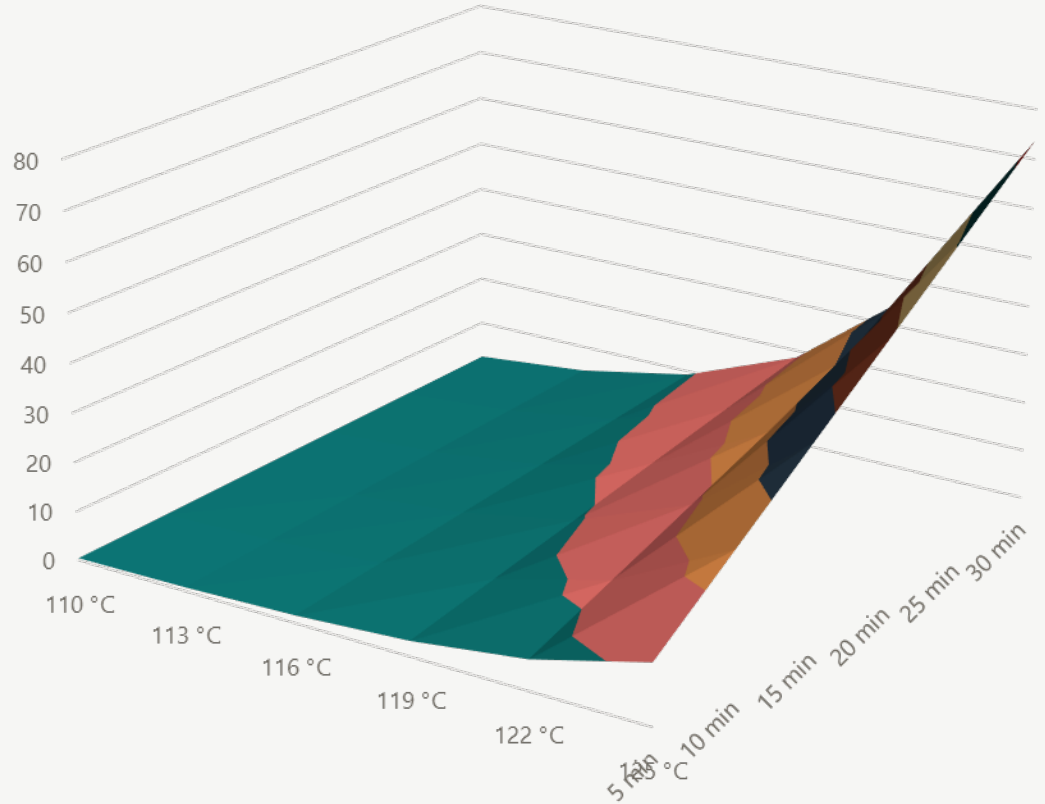
Exploded pie and surface

Downtime by cause · exploded



Changeover CIP/SIP Stopper jams EM hold Glove breach Maintenance

Lethality surface F0



0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80

Lethality table and the F0 integral

Zone	Acceptance		
	F0 min	Cold spot	Probes
Lethality	15	Shelf 3 rear	12
	18	Shelf 5 door	12
Depyrogenation	250 °C · 30 min	Belt centre	8
Capping	n/a	—	4

$$F_0 = \int_0^t 10^{\frac{T(\tau)-121.1}{z}} d\tau$$

$$SAL = N_0 \cdot 10^{-\frac{F_0}{D_{121}}}$$

Header cells are merged across and down; every cell carries a bevel in the final file.

Photographs with depth



perspective left · rotation Y 25° · half reflection

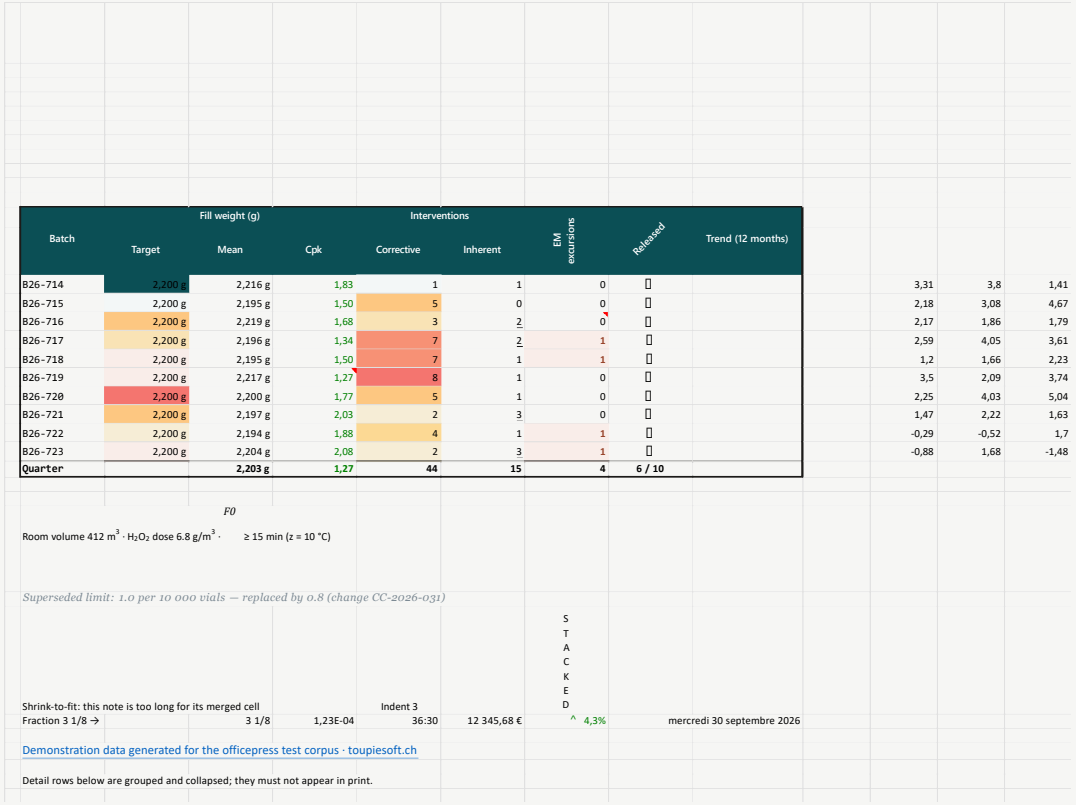


circle bevel 14 × 10 pt · outer shadow



soft edges · oblique top-right camera

Quarterly workbook, embedded



Batch	Fill weight (g)			Interventions		EM excursions	Released	Trend (12 months)			
	Target	Mean	Cpk	Corrective	Inherent						
B26-714	2,200 g	2,216 g	1,83	1	1	0	☐		3,31	3,8	1,41
B26-715	2,200 g	2,195 g	1,50	5	0	0	☐		2,18	3,08	4,67
B26-716	2,200 g	2,219 g	1,68	3	2	0	☐		2,17	1,86	1,79
B26-717	2,200 g	2,196 g	1,34	7	2	1	☐		2,59	4,05	3,61
B26-718	2,200 g	2,195 g	1,50	7	1	1	☐		1,2	1,66	2,23
B26-719	2,200 g	2,217 g	1,27	8	1	0	☐		3,5	2,09	3,74
B26-720	2,200 g	2,200 g	1,77	5	1	0	☐		2,25	4,03	5,04
B26-721	2,200 g	2,197 g	2,03	2	3	0	☐		1,47	2,22	1,63
B26-722	2,200 g	2,194 g	1,88	4	1	1	☐		-0,29	-0,52	1,7
B26-723	2,200 g	2,204 g	2,08	2	3	1	☐		-0,88	1,68	-1,48
Quarter		**2,203 g**	**1,27**	**44**	**15**	**4**	**6 / 10**				

F0

Room volume 412 m³ · H_2O_2 dose 6.8 g/m³ · ≥ 15 min (z = 10 °C)

Superseded limit: 1.0 per 10 000 vials — replaced by 0.8 (change CC-2026-031)

S T A C K E D

Shrink-to-fit: this note is too long for its merged cell — Indent 3

Fraction 3 1/8 → | 3 1/8 | 1,23E-04 | 36:30 | 12 345,68 € | ^ 4,3% | mercredi 30 septembre 2026

Demonstration data generated for the officepress test corpus · toupiesoft.ch

Detail rows below are grouped and collapsed; they must not appear in print.

- The x14 workbook is embedded as an OLE object.
- PowerPoint stores the first sheet as the preview picture.
- Double-clicking opens the full workbook in Excel.



Questions?

Orvane Biologics · Building 4 · demonstration data generated for the officepress test corpus