

# Ris

- Gravity **27.7 BLG**
- ABV **13.3 %**
- IBU **61**
- SRM **30.4**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **180 min**
- Evaporation rate **10 %/h**
- Boil size **26.9 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5 kg (54.3%)	79 %	6
Grain	Pszeniczny	1 kg (10.9%)	85 %	4
Liquid Extract	WES ekstrakt sódowy jasny	1.7 kg (18.5%)	80 %	---
Grain	Weyermann pszeniczny wędzony dębem	1 kg (10.9%)	80 %	0
Grain	Jęczmień palony	0.5 kg (5.4%)	55 %	985

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Fuggles	100 g	60 min	4.5 %
Boil	Cascade	100 g	30 min	6 %