

RIS3

- Gravity **25.9 BLG**
- ABV **12.2 %**
- IBU **47**
- SRM **48.9**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **17.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **21.6 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **32.7 liter(s)**
- Total mash volume **43.6 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	9 kg (82.6%)	80 %	5
Grain	Strzegom Karmel 600	0.5 kg (4.6%)	68 %	601
Grain	Pszeniczny	0.5 kg (4.6%)	85 %	4
Grain	Strzegom Czekoladowy jasny	0.4 kg (3.7%)	68 %	400
Grain	Jęczmień palony	0.5 kg (4.6%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnat	40 g	60 min	11.2 %
Boil	East Kent Goldings	20 g	60 min	5.1 %
Boil	East Kent Goldings	30 g	15 min	5.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	23 g	Safale