

RIS

- Gravity **25.3 BLG**
- ABV **11.8 %**
- IBU **78**
- SRM **86**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **2.4 liter(s)**
- Total mash volume **3.2 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	ekstrakt słodowy ciemny Bruntal	3.4 kg (44.7%)	90 %	621
Grain	Weyermann Caramunich 3	0.4 kg (5.3%)	76 %	150
Grain	Carafa III	0.4 kg (5.3%)	70 %	1034
Liquid Extract	Bruntal Pale Ale	3.4 kg (44.7%)	80 %	35

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	60 g	60 min	10 %
Aroma (end of boil)	Lublin (Lubelski)	60 g	15 min	4 %
Boil	Marynka	60 g	30 min	10 %

Yeasts

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