

RIS

- Gravity **24.4 BLG**
- ABV **11.3 %**
- IBU **78**
- SRM **56.6**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.9 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **42.9 liter(s)**
- Total mash volume **57.2 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale Flagon	5 kg (35%)	70 %	5
Grain	Monachijski	7 kg (49%)	70 %	16
Grain	Strzegom Karmel 150	0.5 kg (3.5%)	70 %	150
Grain	Czekoladowy	0.5 kg (3.5%)	60 %	788
Grain	Strzegom pszenica prażona	0.5 kg (3.5%)	70 %	1000
Grain	Jęczmień palony	0.5 kg (3.5%)	55 %	985
Grain	Barwiący	0.3 kg (2.1%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	100 g	60 min	7 %
Boil	Warrior	25 g	60 min	15.5 %
Boil	Saaz (Czech Republic)	50 g	30 min	4.5 %
Boil	Chinook	25 g	60 min	9 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	500 ml	Fermentum Mobile