

Матушка Россия

- Gravity **24 BLG**
- ABV **11 %**
- IBU **69**
- SRM **29.7**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **31.8 liter(s)**
- Total mash volume **42.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (47.2%)	80 %	5
Grain	Żytni	3 kg (28.3%)	85 %	8
Grain	Monachijski	0.8 kg (7.5%)	80 %	16
Grain	Płatki pszeniczne	0.5 kg (4.7%)	60 %	3
Grain	Płatki owsiane	0.5 kg (4.7%)	60 %	3
Grain	Strzegom Karmel 300	0.3 kg (2.8%)	70 %	299
Grain	Czekoladowy	0.3 kg (2.8%)	60 %	788
Grain	Jęczmień palony	0.2 kg (1.9%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	90 g	60 min	10 %
Boil	HBC 472 Experimental	30 g	15 min	9.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Fermentis
Safale US-05	Ale	Dry	11.5 g	Fermentis
Safbrew BE-256	Ale	Dry	11.5 g	Fermentis