

LAS MACHINAS

- Gravity **22.5 BLG**
- ABV **10.2 %**
- IBU **56**
- SRM **43**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **20.3 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24.3 liter(s)**
- Total mash volume **32.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6 kg (74.1%)	80 %	5
Grain	Płatki owsiane	0.5 kg (6.2%)	60 %	3
Grain	Strzegom Karmel 300	1 kg (12.3%)	70 %	299
Grain	Fawcett - Pale Chocolate	0.3 kg (3.7%)	71 %	600
Grain	Weyermann - Carafa II	0.3 kg (3.7%)	70 %	837

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	60 g	60 min	7 %
Boil	Challenger	40 g	20 min	7 %

Yeasts

Name	Type	Form	Amount	Laboratory
LalBrew Nottingham	Ale	Dry	11 g	---