

Imperial Stout

- Gravity **22.2 BLG**
- ABV **10 %**
- IBU **43**
- SRM **49.2**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **6 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **28.3 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **28.5 liter(s)**
- Total mash volume **38 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **28.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **9.3 liter(s)** of **76C** water or to achieve **28.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6.5 kg (61.9%)	80 %	5
Grain	czekoladowy jasny Viking Malt	0.5 kg (4.8%)	1 %	400
Grain	karmelowy 600 - Viking Malt	0.3 kg (2.9%)	65 %	600
Grain	jęczmień prażony Viking Malt	0.2 kg (1.9%)	1 %	1000
Grain	czekoladowy ciemny Viking Malt	0.2 kg (1.9%)	1 %	1200
Grain	pszenica prażona Viking Malt	0.2 kg (1.9%)	1 %	1200
Grain	żytni karmelowy Viking Malt	0.2 kg (1.9%)	75 %	200
Grain	pszeniczny karmelowy Viking Malt	0.4 kg (3.8%)	70 %	100
Liquid Extract	jasny Bruntal	1 kg (9.5%)	75 %	25
Grain	Płatki owsiane	0.6 kg (5.7%)	85 %	3
Grain	Weyermann - Carared	0.4 kg (3.8%)	75 %	45

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	45 g	60 min	13 %
Dry Hop	Kent Goldings	50 g	5 day(s)	5.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Fermentis Safbrew BE-256	Ale	Slant	200 ml	Fermentis