

Russian Imperial Stout

- Gravity **22.9 BLG**
- ABV **10.4 %**
- IBU **61**
- SRM **38.9**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **61 liter(s)**
- Trub loss **5 %**
- Size with trub loss **64 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **80.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **74.5 liter(s)**
- Total mash volume **104.3 liter(s)**

Steps

- Temp **64 C**, Time **50 min**
- Temp **75 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **74.5 liter(s)** of strike water to **72.8C**
- Add grains
- Keep mash **50 min** at **64C**
- Keep mash **10 min** at **75C**
- Keep mash **1 min** at **78C**
- Sparge using **36 liter(s)** of **76C** water or to achieve **80.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	19.37 kg (65.1%)	79 %	6
Grain	Strzegom Monachijski typ II	5.03 kg (16.9%)	79 %	22
Grain	Jęczmień palony	1.44 kg (4.8%)	55 %	985
Grain	Strzegom Czekoladowy ciemny	0.72 kg (2.4%)	68 %	1200
Grain	Pszeniczny Ciemny	3.23 kg (10.8%)	79 %	17

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sybilla	322.95 g	60 min	3.5 %
Boil	Iunga	161.47 g	30 min	11 %
Aroma (end of boil)	East Kent Goldings	96.88 g	3 min	5.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	57.41 g	Safale