

RIŚmietnik

- Gravity **23.1 BLG**
- ABV **10.5 %**
- IBU **79**
- SRM **41.9**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **26.3 liter(s)**
- Total mash volume **36.8 liter(s)**

Steps

- Temp **68 C**, Time **90 min**

Mash step by step

- Heat up **26.3 liter(s)** of strike water to **77.6C**
- Add grains
- Keep mash **90 min** at **68C**
- Sparge using **10.6 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (47.6%)	80 %	5
Grain	Strzegom Monachijski typ II	0.5 kg (4.8%)	79 %	22
Grain	Strzegom Bursztynowy	0.7 kg (6.7%)	70 %	49
Grain	Carafa III	0.25 kg (2.4%)	70 %	1034
Grain	Strzegom Czekoladowy jasny	0.75 kg (7.1%)	68 %	400
Grain	Jęczmień palony	0.3 kg (2.9%)	55 %	985
Grain	Simpsons - Golden Promise	3 kg (28.6%)	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	60 g	60 min	12 %
Boil	East Kent Goldings	10 g	30 min	5.8 %
Boil	Waimea	30 g	30 min	14.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Liquid	150 ml	Fermentis