

Trofowisko

- Gravity **28.7 BLG**
- ABV **14 %**
- IBU **39**
- SRM **71.3**
- 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 **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **35.3 liter(s)**
- Total mash volume **47 liter(s)**

Steps

- Temp **64 C**, Time **75 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **35.3 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **75 min** at **64C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **2.9 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (35.8%)	80 %	4
Grain	Peat Smoked Malt	5 kg (35.8%)	74 %	6
Grain	Żytni	1 kg (7.2%)	85 %	8
Grain	Wyermann - Carafa Specjal III	0.25 kg (1.8%)	70 %	1200
Grain	Jęczmień palony	0.25 kg (1.8%)	1 %	985
Grain	Fawcett - Pszeniczny Czekoladowy	0.25 kg (1.8%)	1 %	1001
Sugar	Candi Sugar, Clear	0.5 kg (3.6%)	78.3 %	2
Liquid Extract	WES ekstrakt słodowy ciemny	1.7 kg (12.2%)	80 %	700

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	50 g	40 min	15.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
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Safale S-04	Ale	Slant	500 ml	Fermentis
gestwa po słabszej warce.				

Extras

Type	Name	Amount	Use for	Time
Flavor	płatki dębowe wanillia	25 g	Secondary	30 day(s)
Flavor	kostki debowe Peated whisky	25 g	Secondary	30 day(s)