

## cmentarny

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- Gravity **24.6 BLG**
- ABV ---
- IBU **109**
- SRM **56.3**
- 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 **120 min**
- Evaporation rate **10 %/h**
- Boil size **20.8 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **16.9 liter(s)**
- Total mash volume **23.6 liter(s)**

### Steps

- Temp **67 C**, Time **90 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **16.9 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **90 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **20.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4 kg (59.3%)	79 %	6
Grain	Strzegom Monachijski typ II	2 kg (29.6%)	79 %	22
Grain	Weyermann - Carafa III	0.25 kg (3.7%)	70 %	1024
Grain	Fawcett - Pszeniczny Czekoladowy	0.25 kg (3.7%)	73 %	1001
Grain	Simpsons - Crystal Rye	0.25 kg (3.7%)	73 %	177

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	50 g	60 min	17 %
Boil	Warrior	20 g	30 min	17 %

### Yeasts

Name	Type	Form	Amount	Laboratory
us - 05	Ale	Slant	300 ml	---