

RIS wg Jacek Michna

- Gravity **27 BLG**
- ABV **12.9 %**
- IBU **58**
- SRM **49.4**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **180 min**
- Evaporation rate **10 %/h**
- Boil size **30.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **29.3 liter(s)**
- Total mash volume **41 liter(s)**

Steps

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

Mash step by step

- Heat up **29.3 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **90 min** at **67C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **30.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (42.7%) | 80 % | 5 |
| Grain | Monachijski | 3.5 kg (29.9%) | 80 % | 16 |
| Grain | Jęczmień palony | 0.6 kg (5.1%) | 55 % | 985 |
| Grain | Caraaroma | 0.5 kg (4.3%) | 78 % | 400 |
| Grain | Słód Caramunich Typ II Weyermann | 0.5 kg (4.3%) | 73 % | 120 |
| Grain | Płatki pszeniczne | 0.4 kg (3.4%) | 85 % | 3 |
| Grain | Płatki owsiane | 0.4 kg (3.4%) | 85 % | 3 |
| Grain | Jęczmień niesłodowany | 0.4 kg (3.4%) | 75 % | 2 |
| Grain | Carafa | 0.4 kg (3.4%) | 70 % | 664 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Marynka | 80 g | 90 min | 10 % |
| Boil | Lublin (Lubelski) | 60 g | 10 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------------|------|--------|--------|------------|
| WLP004 - Irish Ale Yeast | Ale | Liquid | 20 ml | White Labs |

Notes

- płatki jęczmienne a nie jęczmień niesłodowany
drożdże to pewnie jakas gestwa? albo starter ?

burzliwa 21 dni w 15C
cicha 21 dni w 15C

[http://www.wiki.piwo.org/Russian_Imperial_Stout,_Jacek_Michna_\(szop007\)](http://www.wiki.piwo.org/Russian_Imperial_Stout,_Jacek_Michna_(szop007))
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