

PieczaRIS (TorfoRISko)

- Gravity **24.2 BLG**
- ABV **11.2 %**
- IBU **71**
- SRM **41.2**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **16 liter(s)**
- Trub loss **6 %**
- Size with trub loss **17 liter(s)**
- Boil time **90 min**
- Evaporation rate **15 %/h**
- Boil size **20.9 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **2.75 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28.6 liter(s)**

Steps

- Temp **68 C**, Time **75 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **76.7C**
- Add grains
- Keep mash **75 min** at **68C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **7.5 liter(s)** of **76C** water or to achieve **20.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|-----------------|-------|------|
| Grain | Casle Malting Whisky Nature | 3 kg (39.3%) | 85 % | 4 |
| Grain | Viking Pale Ale malt | 2 kg (26.2%) | 80 % | 5 |
| Grain | Strzegom Monachijski typ II | 1 kg (13.1%) | 79 % | 22 |
| Grain | Płatki pszeniczne | 0.5 kg (6.6%) | 85 % | 3 |
| Grain | Płatki żytnie | 0.5 kg (6.6%) | 85 % | 3 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.25 kg (3.3%) | 73 % | 1001 |
| Grain | Carafa III | 0.25 kg (3.3%) | 70 % | 1034 |
| Grain | Jęczmień palony | 0.125 kg (1.6%) | 55 % | 985 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|--------|------------|
| Boil | Columbus/Tomahawk/Zeus | 40 g | 60 min | 15.5 % |
| Aroma (end of boil) | East Kent Goldings | 25 g | 15 min | 5.1 % |
| Aroma (end of boil) | Columbus/Tomahawk/Zeus | 10 g | 15 min | 15.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11 g | Safale |

Notes

- wersja robocza

Carafa III - cold brew przed dodaniem (potrzymać w zimnej wodzie). Wsypać do kotła zaraz po pierwszej przerwie.

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