

Obywatel Kudłaty

- Gravity **28.9 BLG**
- ABV ---
- IBU **76**
- SRM **40**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss --- %
- Size with trub loss **20 liter(s)**
- Boil time **120 min**
- Evaporation rate --- %/h
- Boil size --- liter(s)

Mash information

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

Steps

- Temp **66 C**, Time **90 min**
- Temp **80 C**, Time **4 min**

Mash step by step

- Heat up liter(s) of strike water to C
- Add grains
- Keep mash **90 min** at **66C**
- Keep mash **4 min** at **80C**
- Sparge using liter(s) of C water

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|--------------------------------|--------------|-------|------|
| Grain | Strzegom Karmel 300 | 0.4 kg (4%) | 70 % | 300 |
| Grain | Czekoladowy 400 | 0.2 kg (2%) | 68 % | 400 |
| Grain | Pale Ale | 4 kg (39.6%) | 79 % | 4 |
| Grain | monachijski 1 | 1 kg (9.9%) | 78 % | 18 |
| Grain | Caraaroma | 0.5 kg (5%) | 78 % | 540 |
| Grain | Jęczmień palony | 0.4 kg (4%) | 65 % | 900 |
| Grain | Weyermann - Carafa III Special | 0.1 kg (1%) | 65 % | 1400 |
| Grain | CastleMalting Whisky Nature | 2 kg (19.8%) | 85 % | 3 |
| Grain | Pszeniczny | 1 kg (9.9%) | 82 % | 4 |
| Adjunct | płatki owsiane | 0.5 kg (5%) | 70 % | 1 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Magnum | 50 g | 80 min | 11.2 % |
| Boil | Marynka | 60 g | 60 min | 7.5 % |
| Boil | Lublin (Lubelski) | 65 g | 20 min | 3.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-04 | Ale | Slant | 700 ml | Safale |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Flavor | Płatki owsiane | 500 g | Mash | 70 min |

Notes

- Weyermann - Carafa III Special, karmel 300 bo mam
May 9, 2015, 8:40 PM