

Dog A

- Gravity **33.2 BLG**
- ABV ---
- IBU **81**
- SRM **40**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **36.1 liter(s)**

Steps

- Temp **65 C**, Time **90 min**

Mash step by step

- Heat up **24 liter(s)** of strike water to **76.3C**
- Add grains
- Keep mash **90 min** at **65C**
- Sparge using **13.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|----------------------------|-----------------|-------|------|
| Grain | Weyermann - Pale Ale Malt | 8 kg (62.9%) | 85 % | 7 |
| Grain | Weyermann pszeniczny jasny | 0.5 kg (3.9%) | 80 % | 6 |
| Grain | Oats, Flaked | 1.38 kg (10.8%) | 80 % | 2 |
| Grain | Simpsons - Crystal Dark | 0.88 kg (6.9%) | 74 % | 158 |
| Grain | Carafa | 0.63 kg (5%) | 70 % | 664 |
| Grain | Carafa III | 0.63 kg (5%) | 70 % | 1034 |
| Liquid Extract | Honey | 0.7 kg (5.5%) | 75 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Chinook | 50 g | 60 min | 13 % |
| Boil | Cascade | 25 g | 60 min | 6 % |
| Boil | Fuggles | 25 g | 25 min | 4.5 % |
| Boil | Fuggles | 25 g | 1 min | 4.5 % |
| Boil | Magnum | 30 g | 60 min | 13.5 % |
| Boil | Calypso | 30 g | 20 min | 14.9 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------------|------|--------|--------|-------------|
| Wyeast - American Ale II | Ale | Liquid | 125 ml | Wyeast Labs |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------------------------------|--------|-----------|----------|
| Flavor | Ziarna kawy | 30 g | Boil | 25 min |
| Flavor | Ziarna kawy | 30 g | Boil | 1 min |
| Flavor | Chili (odmiana Naga Jolokia) | 15 g | Secondary | 7 day(s) |
| Flavor | Laska Wanilii | 10 g | Secondary | 7 day(s) |