

RIS BIAB copy marhsal

- Gravity **27 BLG**
- ABV ---
- IBU **47**
- SRM **34.8**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **15 %**
- Size with trub loss **17.3 liter(s)**
- Boil time **90 min**
- Evaporation rate **12 %/h**
- Boil size **22.2 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.7 liter(s) / kg**
- Mash size **26.8 liter(s)**
- Total mash volume **36.7 liter(s)**

Steps

- Temp **67 C**, Time **100 min**
- Temp **75 C**, Time **10 min**

Mash step by step

- Heat up **26.8 liter(s)** of strike water to **75.7C**
- Add grains
- Keep mash **100 min** at **67C**
- Keep mash **10 min** at **75C**
- Sparge using **5.3 liter(s)** of **76C** water or to achieve **22.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------------|----------------|-------|------|
| Grain | MINCH MALT - Irish Wheat Malt | 1 kg (10.1%) | 82 % | 4 |
| Grain | bestmalz - rye | 0.5 kg (5%) | 80 % | 6 |
| Grain | weyermann - abbey malt | 0.5 kg (5%) | 75 % | 45 |
| Grain | Bestmalz - Cara Munich Type II | 0.25 kg (2.5%) | 75 % | 120 |
| Grain | Bestmalz - Cara Aromatic | 0.6 kg (6%) | 78 % | 50 |
| Grain | Roats Barley Malt | 0.32 kg (3.2%) | 50 % | 1300 |
| Grain | MINCH MALT - Irish Ale Malt | 6.5 kg (65.5%) | 82 % | 5 |
| Grain | Bestmalz - Cara Munich Type III | 0.25 kg (2.5%) | 75 % | 160 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Flyer | 66 g | 45 min | 7.6 % |
| Boil | Ahtanum | 35 g | 45 min | 5.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------------|-------------|-------------|---------------|-------------------|
| WLP004 - Irish Ale Yeast | Ale | Liquid | 1000 ml | White Labs |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-------------|---------------|----------------|-------------|
| Fining | Whirlfloc | 3 g | Boil | 10 min |