

ris torf

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **47**
- SRM **40.7**
- 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 **50 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **40 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|-----------------------------|----------------|-------|------|
| Grain | Simpsons - Peated Malt | 5 kg (42.7%) | 81 % | 5 |
| Grain | Briess - Wheat Malt, Red | 2 kg (17.1%) | 81 % | 5 |
| Grain | Briess - Pale Ale Malt | 2 kg (17.1%) | 80 % | 7 |
| Grain | Carafa | 0.5 kg (4.3%) | 70 % | 600 |
| Grain | Carafa III | 0.5 kg (4.3%) | 70 % | 1034 |
| Liquid Extract | Liquid Extract (LME) - Pale | 1.7 kg (14.5%) | 78 % | 16 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------------------|--------|--------|------------|
| Boil | callista | 15 g | 60 min | 3.9 % |
| Boil | Hallertau Blanc | 20 g | 60 min | 5.3 % |
| Boil | Hallertau Mittelfruh | 50 g | 60 min | 4.1 % |
| Boil | Hersbrucker | 55 g | 60 min | 4.1 % |
| Aroma (end of boil) | Citra | 50 g | 1 min | 12.9 % |