

Rye stout

- Gravity **15 BLG**
- ABV ---
- IBU **32**
- SRM **35.2**
- Style **Dry Stout**

Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **36 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **23 liter(s)**
- Total mash volume **30.6 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|----------------|-------|------|
| Grain | Simpsons - Maris Otter | 4 kg (52.3%) | 81 % | 6 |
| Grain | Żytni | 2.5 kg (32.7%) | 85 % | 8 |
| Grain | Caraaroma | 0.2 kg (2.6%) | 78 % | 400 |
| Grain | Barley, Flaked | 0.5 kg (6.5%) | 70 % | 4 |
| Grain | Carafa III | 0.25 kg (3.3%) | 70 % | 1034 |
| Grain | Jęczmień palony | 0.2 kg (2.6%) | 55 % | 985 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Fuggles | 90 g | 60 min | 4.5 % |

Yeasts

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