

- Gravity **24 BLG**
- ABV **11 %**
- IBU **55**
- SRM **72.9**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **24 liter(s)**
- Boil time **80 min**
- Evaporation rate **20 %/h**
- Boil size **34.2 liter(s)**

### Fermentables

| Type           | Name                            | Amount         | Yield | EBC |
|----------------|---------------------------------|----------------|-------|-----|
| Liquid Extract | Bruntal Pale Ale                | 3.4 kg (43%)   | 90 %  | 25  |
| Liquid Extract | ekstrakt słodowy ciemny Bruntal | 3.4 kg (43%)   | 90 %  | 620 |
| Dry Extract    | ekstrakt słodowy jasny          | 0.8 kg (10.1%) | 90 %  | 5   |
| Grain          | Jęczmień palony                 | 0.3 kg (3.8%)  | 55 %  | 985 |

### Hops

| Use for | Name            | Amount | Time   | Alpha acid |
|---------|-----------------|--------|--------|------------|
| Boil    | Dr Rudi         | 25 g   | 70 min | 11.8 %     |
| Boil    | Progress        | 40 g   | 60 min | 6.6 %      |
| Boil    | Fusion UK       | 20 g   | 60 min | 6.4 %      |
| Boil    | minstrel        | 20 g   | 60 min | 4.9 %      |
| Boil    | Progress        | 10 g   | 15 min | 6.6 %      |
| Boil    | minstrel        | 10 g   | 15 min | 4.9 %      |
| Boil    | Fusion UK       | 10 g   | 15 min | 6.4 %      |
| Boil    | Progress        | 10 g   | 5 min  | 6.6 %      |
| Boil    | English Golding | 30 g   | 5 min  | 4.8 %      |

### Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 23 g   | Safale     |

### Extras

| Type  | Name      | Amount | Use for   | Time      |
|-------|-----------|--------|-----------|-----------|
| Other | Oak Chips | 20 g   | Secondary | 14 day(s) |