

Whisky Stout

- Gravity **13.6 BLG**
- ABV ---
- IBU **36**
- SRM **40**
- Style **Oatmeal Stout**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **63 C**, Time **45 min**
- Temp **70 C**, Time **30 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **45 min** at **63C**
- Keep mash **30 min** at **70C**
- Keep mash **10 min** at **76C**
- Sparge using **18.4 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|-------------------------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale | 2.5 kg (36.8%) | 79 % | 6 |
| Grain | Słód wędzony torfem Whisky Brewferm | 2 kg (29.4%) | 80 % | 6 |
| Grain | Weyermann - Chocolate Wheat | 0.5 kg (7.4%) | 74 % | 788 |
| Grain | Jęczmień palony | 0.5 kg (7.4%) | 55 % | 985 |
| Adjunct | Płatki owsiane | 0.4 kg (5.9%) | 60 % | 6 |
| Adjunct | Płatki jęczmienne | 0.4 kg (5.9%) | 60 % | 7 |
| Grain | Weyermann - Chocolate Rye | 0.5 kg (7.4%) | 20 % | 493 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------------------|--------|--------|------------|
| Boil | magnum | 20 g | 50 min | 12 % |
| Aroma (end of boil) | East Kent Goldings | 50 g | 20 min | 5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|-------------|-----|-------|--------|--------|
| Safale S-04 | Ale | Slant | 100 ml | Safale |
|-------------|-----|-------|--------|--------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|--|--------|-----------|----------|
| Flavor | Płatki dębowe francuskie, mocno opiekane | 50 g | Secondary | 7 day(s) |