

Mint Stout

- Gravity **16.6 BLG**
- ABV ---
- IBU **46**
- SRM **43.5**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **27 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **34.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **20.7 liter(s)**
- Total mash volume **28.9 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **20.7 liter(s)** of strike water to **74C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **21.8 liter(s)** of **76C** water or to achieve **34.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|----------------|-------|------|
| Grain | Pilzneński | 5 kg (60.5%) | 81 % | 4 |
| Grain | Weyermann - Pale Ale Malt | 2 kg (24.2%) | 85 % | 7 |
| Grain | Carafa III | 0.22 kg (2.7%) | 70 % | 1034 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.5 kg (6%) | 73 % | 1001 |
| Grain | Płatki jęczmienne | 0.35 kg (4.2%) | 65 % | 4 |
| Grain | Płatki pszenne | 0.2 kg (2.4%) | --- % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil | Fuggles | 50 g | 60 min | 4.5 % |
| Boil | Simcoe | 20 g | 60 min | 13.2 % |
| Boil | Simcoe | 15 g | 12 min | 13.2 % |
| Aroma (end of boil) | Simcoe | 15 g | 3 min | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 22 g | Safale |

Extras

| Type | Name | Amount | Use for | Time |
|-------|-----------------|--------|---------|--------|
| Spice | Kakao Wedel | 80 g | Boil | 15 min |
| Spice | Mięta pieprzowa | 18 g | Boil | 10 min |

Notes

- Ogarnąć najprawdziejszą miętę suszoną, a nie jakieś herbatki.
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