

WM Pale Mosaic US05

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **42**
- SRM **4.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **12 %/h**
- Boil size **28 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **80 C**, Time **1 min**

Mash step by step

- Heat up **17.5 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **15 min** at **72C**
- Keep mash **1 min** at **80C**
- Sparge using **15.5 liter(s)** of **76C** water or to achieve **28 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|-------------|-------|-----|
| Grain | Weyermann - Pale Ale | 5 kg (100%) | 80 % | 7 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--|--------|----------|------------|
| Dry Hop | Mosaic (USA - 2018) - burzliwa w hopsziderze | 50 g | 3 day(s) | 13.2 % |
| Boil | Mosaic (USA - 2018) | 50 g | 1 min | 13.2 % |
| Boil | Mosaic (USA - 2018) | 20 g | 10 min | 13.2 % |
| Boil | Mosaic (USA - 2018) | 20 g | 20 min | 13.2 % |
| Boil | Mosaic (USA - 2018) | 10 g | 60 min | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |

Starter 1L wody + 80g jasnego ekstraktu słodowego suchego Bruntal na 24h.

Extras

| Type | Name | Amount | Use for | Time |
|--|--------------------------------------|--------|----------|--------|
| Water Agent | Gips piwowarski | 5 g | Mash | 76 min |
| Dodany wraz z srodem. | | | | |
| Water Agent | Kwas fosforowy (zacieranie) | 6 g | Mash | 61 min |
| ml nie gramy. | | | | |
| Water Agent | Kwas fosforowy (woda do wysladzania) | 6 g | Mash | 76 min |
| ml nie gramy. | | | | |
| Fining | Whirlfolc T | 2.5 g | Boil | 5 min |
| Jedna tabletk. | | | | |
| Other | Askorbinian sodu | 5 g | Bottling | --- |
| Rozpuszczone w 100ml zimnej wzczesniej przegotowanej wody. | | | | |

Notes

- Woda olsztyńska (Nagórki).
Dec 10, 2019, 2:37 PM