

Polskie Jasne

- Gravity **9.5 BLG**
- ABV ---
- IBU **30**
- SRM **3.7**
- Style **American Amber Ale**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

Steps

- Temp **63 C**, Time **20 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **12.9 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **20 min** at **63C**
- Keep mash **40 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **20.4 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------|-------------|-------|-----|
| Grain | Strzegom Pilzneński | 4 kg (93%) | 80 % | 4 |
| Grain | Karmelowy Jasny 30EBC | 0.3 kg (7%) | 75 % | 30 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil | Marynka | 15 g | 60 min | 10 % |
| Boil | Lublin (Lubelski) | 20 g | 15 min | 4 % |
| Aroma (end of boil) | Marynka | 35 g | 5 min | 10 % |
| Aroma (end of boil) | Lublin (Lubelski) | 30 g | 5 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------------------|------|------|--------|------------|
| Gozdawa - US West Coast | Ale | Dry | 10 g | Gozdawa |