

Exotic Pale Ale 2.0

- Gravity **11.9 BLG**
- ABV ---
- IBU **40**
- SRM **3.9**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **16.2 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **20.9 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|---------------|--------|-----|
| Grain | Simpsons - Golden Promise | 5 kg (92.6%) | 79.5 % | 5 |
| Grain | Pszeniczny | 0.4 kg (7.4%) | 85 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil | Galaxy | 10 g | 60 min | 14.5 % |
| Boil | Motueka | 25 g | 15 min | 8 % |
| Boil | Amarillo | 25 g | 10 min | 8.9 % |
| Boil | Galaxy | 30 g | 5 min | 14.5 % |
| Dry Hop | Citra | 50 g | 5 day(s) | 12 % |
| Dry Hop | Galaxy | 10 g | 5 day(s) | 15 % |
| Dry Hop | Motueka | 25 g | 5 day(s) | 7 % |
| Dry Hop | Amarillo | 25 g | 5 day(s) | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------------------|------|------|--------|-----------------|
| Mangrove Jack's M44 US West Coast | Ale | Dry | 11 g | Mangrove Jack's |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|------|--------|---------|--------|
| Water Agent | gips | 10 g | Mash | --- |
| Fining | mech | 5 g | Boil | 15 min |