

APA Pinta

- Gravity **13.8 BLG**
- ABV ---
- IBU **30**
- SRM **9.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.5 liter(s)**
- Total mash volume **20.6 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15.5 liter(s)** of strike water to **73.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **27.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 4 kg (77.7%) | 85 % | 7 |
| Grain | diastatyczny | 0.5 kg (9.7%) | 80 % | 3 |
| Grain | Weyermann - Caraamber | 0.5 kg (9.7%) | 75 % | 65 |
| Grain | zakwaszający | 0.15 kg (2.9%) | --- % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|------------|------------------------|--------|----------|------------|
| First Wort | Columbus/Tomahawk/Zeus | 15 g | 90 min | 14 % |
| Boil | Chinook | 20 g | 5 min | 12.8 % |
| Whirlpool | Simcoe | 30 g | 60 min | 13.2 % |
| Whirlpool | Chinook | 30 g | 60 min | 12.8 % |
| Dry Hop | Simcoe | 20 g | 7 day(s) | 13.2 % |
| Dry Hop | Ahtanum | 50 g | 7 day(s) | 3.4 % |

Yeasts

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

| | | | | |
|-------|-----|-----|------|-----|
| us-05 | Ale | Dry | 11 g | --- |
|-------|-----|-----|------|-----|

Extras

| Type | Name | Amount | Use for | Time |
|-------------|------|--------|---------|--------|
| Water Agent | Gips | 5 g | Mash | 60 min |