

WEST COAST IPA MPPD 2021 18 Blg # 54

- Gravity **18 BLG**
- ABV **7.7 %**
- IBU **85**
- SRM **5.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **26.3 liter(s)**
- Total mash volume **33.8 liter(s)**

Steps

- Temp **66 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **26.3 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **10 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|----------------|-------|-----|
| Grain | Pilzneński | 3.5 kg (46.1%) | 81 % | 4 |
| Grain | Weyermann - Pale Ale Malt | 2 kg (26.3%) | 85 % | 7 |
| Grain | Viking Pale Ale malt | 1 kg (13.2%) | 80 % | 5 |
| Grain | Pszeniczny | 1 kg (13.2%) | 85 % | 4 |
| Sugar | Cukier biały | 0.1 kg (1.3%) | --- % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil | Cascade | 30 g | 60 min | 8 % |
| Boil | Mosaic | 30 g | 45 min | 12.5 % |
| Boil | Amarillo | 30 g | 45 min | 8.5 % |
| Boil | Cascade | 30 g | 45 min | 8 % |
| Dry Hop | Amarillo | 30 g | 5 day(s) | 8.5 % |
| Dry Hop | Cascade | 40 g | 5 day(s) | 8 % |

Yeasts

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

| | | | | |
|--------------|-----|-----|------|-----|
| Safale US-05 | Ale | Dry | 23 g | --- |
|--------------|-----|-----|------|-----|

Extras

| Type | Name | Amount | Use for | Time |
|-------|-----------|--------|---------|--------|
| Other | Sól Epsom | 3 g | Boil | 40 min |